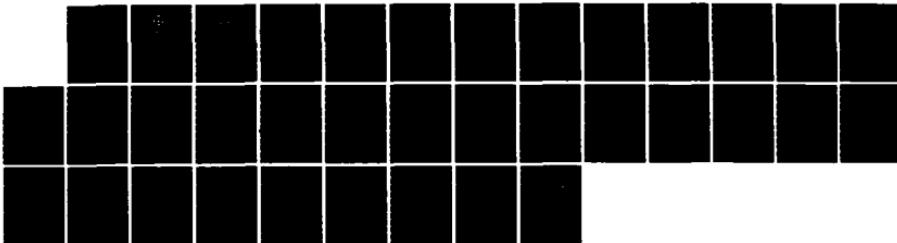


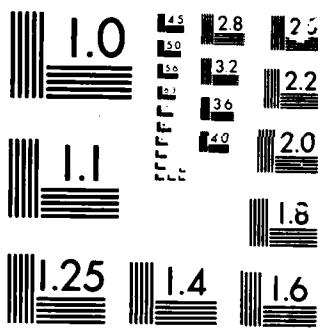
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500 CONTRACTORS

CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS FOR RDT&E

FISCAL YEAR 1979

DEPARTMENT OF DEFENSE
WASHINGTON HEADQUARTERS SERVICES
DIRECTORATE FOR INFORMATION OPERATIONS
AND REPORTS



500 CONTRACTORS

CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF MILITARY PRIME CONTRACT AWARDS FOR RDT&E

FISCAL YEAR 1979

DEPARTMENT OF DEFENSE
WASHINGTON HEADQUARTERS SERVICES
DIRECTORATE FOR INFORMATION OPERATIONS
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500 CONTRACTORS

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WASHINGTON HEADQUARTERS SERVICES
DIRECTORATE FOR INFORMATION
OPERATIONS AND REPORTS
MAY 1, 1980

**500 CONTRACTORS LISTED ACCORDING TO NET VALUE OF
MILITARY PRIME CONTRACT AWARDS FOR RESEARCH,
DEVELOPMENT, TEST, AND EVALUATION WORK**

FISCAL YEAR 1979

FOREWORD

This report lists the leading 500 military prime contractors according to the net value of awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during fiscal year 1979. This list is arranged in four sections: U.S. Business Firms; Educational and Nonprofit Institutions; Foreign Contractors; and U.S. Government Agencies.

Contractors in all sections are ranked in a single sequence so that only one contractor in the report is number one. The alphabetical index shows the section in which each contractor is located and his rank. The geographic locations shown are those where the work was expected to be performed. Generally, the location is a contractor's plant, laboratory, or other facility. However, if the work was scheduled to be performed at a Defense activity, such as an Air Force Base, the location is the Defense activity rather than the contractor's plant.

The following table shows the distribution of RDT&E awards for all contractors and for the top 500. The 1979 distribution varies slightly from that for 1978. In 1978, the top 500 consisted of 380 U.S. firms (193 of which were small business firms); 112 educational and nonprofit institutions; 2 foreign contractors; and 6 U.S. government

TYPE OF CONTRACTOR	TOTAL RDT&E		500 CONTRACTORS RDT&E		ALL OTHER RDT&E				
	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL
RDTE - TOTAL	1,950	\$8,542,998	100	500	\$8,378,022	100	1,450	\$164,976	100
BUSINESS FIRMS	1,579	7,533,996	88	368	7,392,392	88	1,211	141,604	86
Small	1,133	483,630	6	186	377,160	4	947	106,470	65
Large	446	7,050,366	82	182	7,015,232	84	264	35,134	21
EDUCATIONAL & OTHER NONPROFIT	320	981,948	12	121	960,912	11	199	21,036	13
Educational	188	573,733	7	89	560,778	6	99	12,955	8
Other Nonprofit	132	408,215	5	32	400,134	5	100	8,081	5
U.S. GOVERNMENT AGENCIES (1)	9	11,992	*	6	11,767	*	3	225	*
FOREIGN	42	15,062	*	5	12,951	*	37	2,111	1
Nonprofit	17	4,827	*	3	4,111	*	14	716	*
Business Firms	25	10,235	*	2	8,840	*	23	1,395	1

* Less than 0.5 percent.

(1) Excludes 8(a) awards made through the Small Business Administration

NOTE: Totals may not add due to rounding.

agencies. There are 95 new contractors on the fiscal year 1979 list compared to 88 new contractors in 1978.

In addition to the 500 listed contractors, there were 1,450 other contractors who were awarded prime contracts over \$10,000 for RDT&E work during fiscal year 1979 making a total of 1,950 contractors in all compared with 1,937 contractors during fiscal year 1978. In 1979, the top 500 RDT&E contractors received awards totaling \$8,378 million compared to \$8,520 million in 1978, for a decrease of \$142 million, or -2 percent. The \$8,378 million represents 98.1 percent of the \$8,543 million total prime contract awards over \$10,000 for RDT&E work in fiscal year 1979, the same relationship as in 1978. During fiscal year 1979 awards made by the Department of Defense under the U.S. Small Business Administration's 8(a) program, which were formerly credited to that agency, are now credited to the actual recipient prime contractor. Consequently, awards to U.S. Government agencies decreased by \$13 million or -52 percent and small business firms increased by \$20 million or 4 percent. Awards to large business firms decreased by \$342 million or -5 percent.

Of the 19 contractors with RDT&E awards of \$100 million or more in fiscal year 1979, 16 were large U.S. businesses and 3 were educational and other nonprofit institutions. These 19 contractors had a total of \$5,184 million in RDT&E awards. In fiscal year 1978, there also were 19 contractors who attained the \$100 million plateau with total awards of \$5,600 million, of which 17 were large U.S. businesses and 2 were educational institutions. The amount of awards for the \$100 million group showed a decrease of \$416 million, or -7.4 percent, between fiscal years 1978 and 1979. This loss in RDT&E awards by large U.S. business firms (\$323 million or -4 percent) was partially offset by increased awards to educational and nonprofit institutions and to foreign contractors of \$192 million or 25 percent and \$8 million or 169 percent, respectively.

The RDT&E contractors with the largest value of awards were engaged in research, development, test, or evaluation of missile and space systems, electronic and communications equipment, and aircraft programs. In fiscal year 1979, \$6,271 million or 73.4 percent of all RDT&E awards of over \$10,000 was for work connected with the above programs.

As shown below, engineering development accounted for the majority (43.2%) of RDT&E awards. Within this

category, missile systems received \$1,241 million, or 14.5 percent, of the total RDT&E awards. The next largest expenditure, also for engineering development, was aircraft programs, \$1,140 million, or 13.3 percent.

Type	Awards (\$000)	Percent of Total
RDT&E - TOTAL	\$8,542,998	100.0
Research	380,861	4.5
Exploratory Development	726,161	8.5
Advanced Development	1,587,199	18.6
Engineering Development	3,692,278	43.2
Operational Systems	1,047,319	12.3
Management and Support	1,109,180	13.0

INDEX OF 500 LARGEST MILITARY
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
TEST AND EVALUATION WORK
FISCAL YEAR 1979

RANK #	CONTRACTOR	RANK #	CONTRACTOR
LIST *		LIST *	
83 R	A A I CORP	77 N	BATTELLE MEMORIAL INSTITUTE
264 B	B L S ELECTRONICS CORP	266 E	BELL & HOWELL CO
203 N	ACUREX CCRF	68 E	BENIX CORP
404 R	ADVANCED DESIGN CCRF	153 E	BENCIX FIELD ENGINEERING CORP
342 B	ADVANCED RESEARCH & APPL CCRF	347 E	ETAC CORP
196 B	ADVANCED TECHNOLOGY INC	481 E	ETC INC
308 B	AEROCYCLE RESEARCH INC	357 P	BIMETRICS INC
32 R	AEROCJET GENERAL CCRF	115 E	BOEING AEROSPACE CO
292 R	AEROPET INC	2 E	BOEING CO
267 B	AERONAUTICAL RESEARCH ASSOCIATES	71 E	BOEING VERTOL CO
17 N	AEROSPACE CCRF	87 E	BCLT BERANEK & NEWMAN INC
368 R	AIRSEARCH FFG CO OF ARIZONA	95 E	BOCZ ALLEN & HAMILTON INC
297 N	ALAHUAH UNIVERSITY CF	204 E	BOCZ ALLEN APPLIED RESEARCH INC
97 N	ALASKA UNIVERSITY OF	225 N	BOSTON COLLEGE
125 R	AMERICAN ELECTRONIC LABS INC	287 N	BOSTON UNIVERSITY
416 N	AMERICAN FOUNDATION BIOLOGICAL	415 E	BREED CORP
450 P	AMERICAN STERILIZER CO	435 N	BRUNN UNIVERSITY
428 B	AMFEX CORP	172 B	BRUNSWICK CORP
270 R	ANALYSIS & COMPUTER SYSTEMS INC	476 E	EULOVIA WATCH CO INC
272 P	ANALYSIS & TECHNOLOGY INC	94 E	FUNKER RAMC CORP
426 B	ANALYTIC DISC FILMES INC	184 P	BURROUGHS CORP
58 B	ANALYTIC SCIENCES CCRF	312 P	C & F INC
126 N	ANALYTIC SERVICES INC	368 E	C T E C
445 R	ANALYTICAL ASSESSMENTS CORP	257 E	CACI INC FEDERAL
158 B	ANALYTICAL SYSTEMS ENGR CCRF	193 B	CACRE CORP
165 B	ANALYTICS INC	182 N	CALIFORNIA INSTITUTE OF TECHNOLOGY
240 B	APPLICATION RESEARCH CORP	372 E	CALIFORNIA RESEARCH & TECHNOLOGY
784 R	APPLIED SCIENCE ASSOCIATES INC	54 N	CALIFORNIA UNIVERSITY CF
460 B	APCCN CORP	75 E	CALSPAN CORP
104 P	AP-ES INC	106 E	CAMPBELL ALLEN P
288 R	APTEK ASSOCIATES INC	107 F	CANADIAN COMMERCIAL CORP
222 B	APFC SYSTEMS INC	352 B	CANYON RESEARCH GROUP INC
157 B	APIAC RESEARCH CCRF	269 N	CAITOL RADIO ENGINEERING INST INC
127 N	APIYCAR UNIVERSITY CF	206 E	CAFTECH INC
18 P	APG INC	158 N	CARNEGIE MELLON UNIVERSITY
276 B	ASSURANCE TECHNOLOGY CORP	332 N	CASE WESTERN RESERVE UNIVERSITY
251 B	ATLANTIC ANALYSIS CORP	393 N	CATHOLIC UNIVERSITY OF AMERICA
168 B	ATLANTIC RESEARCH CCRF	402 E	CENTER FOR PLANNING & RESEARCH INC
365 N	AUBURN UNIVERSITY	371 E	CHALCO ENGINEERING CORP
175 B	AUEFFACH ASSOCIATES INC	160 E	CHAMBERLAIN MFG CORP
256 R	AUSTIN RESEARCH ASSOCIATES	25 N	CHARLES STARK DRAPER LABS INC
36 R	AUTOMATION INDUSTRIES INC	478 N	CHICAGO UNIVERSITY
467 R	AUTOMETRIC CORP	23 E	CHRYSLER CORP
25 R	AVCC CCRF	147 B	CINCINNATI ELECTRONICS CORP
20 B	AVCC EVERETT RESEARCH LABORATORY	376 N	CINCINNATI UNIVERSITY CF
47 B	P E M CORP	422 P	CLARK EQUIPMENT CO
218 R	P E M SERVICES CO	430 N	CLARKSON COLLEGE OF TECHNOLOGY
465 B	P E I ELECTRONICS INC	370 N	COLUMBIA STATE UNIVERSITY
710 R	P K CYANAKICS INC	319 N	COLORADO UNIVERSITY
214 B	PALL PIOS RESEARCH CCRF	442 P	COLUMBIA RESEARCH CORP

* B = BUSINESS FIRM

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INDEX OF 500 LARGEST MILITARY
PRIVATE CONTRACTORS FOR RESEARCH, DEVELOPMENT,
TEST AND EVALUATION WORK
FISCAL YEAR 1979

RANK LIST	CONTRACTOR	RANK LIST	CONTRACTOR
182 N	COLUMBIA UNIVERSITY	162 E	ENSCO INC
174 R	COMPAAC CONTROL & COMMUNICATION	137 R	ENVIRONMENTAL RSM INST OF MICH
151 R	COMPUTER CCRF OF AMERICA	386 E	ESSEX CORP
51 P	COMPUTER SCIENCES CORP	33 B	FPC CORP
420 S	CONSOLIDATED ANALYSIS CENTER INC	170 E	FAIRCHILD CAMERA & INSTRUMENT CORP
62 R	CONTROL DATA CORP	73 B	FAIRCHILD INDUSTRIES INC
215 N	CORNELL UNIVERSITY	239 E	FALCON RESEARCH & DEVELOPMENT CO
144 R	CUPIC CORP	408 B	FEDERAL ELECTRIC CORP
276 R	CUMMINS ENGINE CO INC	401 B	FEIER MATERIALS INC
125 S	CURTIS WRIGHT CORP	313 B	FEIEF TECHNOLOGY INC
58 S	CUTLER HAMMER INC	260 E	FIRESTONE TIRE & RUBBER CO
192 B	D A S SYSTEMS INC	130 B	FLIGHT SYSTEMS INC
455 S	D C S CORP	296 E	FLINCHBAUGH PRODUCTS INC
407 E	DATA BASE MANAGEMENT INC	353 N	FLORIDA STATE UNIVERSITY
461 R	DATA GENERAL CORP	382 N	FLORIDA TECHNOLOGICAL UNIVERSITY
75 N	DAYTON UNIVERSITY OF	350 N	FLORIDA UNIVERSITY
405 B	DECISION SCIENCE APPLICATIONS INC	27 E	FOARD AEROSPACE & COMMUNICATIONS
484 B	DECISION SCIENCE INC	451 E	FREQUENCY & TIME SYSTEMS INC
262 B	DECISIONS & DESIGNS INC	151 B	FUGRC NATIONAL INC
474 N	DELAWARE UNIVERSITY OF	24 E	GTE SYLVANIA INC
303 R	DELUX SYSTEMS INC	491 E	GAGLIARDI SYSTEMS GROUP INC
247 N	DENVER UNIVERSITY OF	68 E	GARRETT CORP
453 B	DEVELOPMENTAL SCIENCES INC	2 B	GENERAL DYNAMICS CORP
259 B	DIAGNOSTIC RETRIEVAL SYSTEMS INC	5 E	GENERAL ELECTRIC CO
424 B	DIGITAL EQUIPMENT CCRF	56 E	GENERAL MOTORS CORP
367 R	DIGITAL TECHNOLOGY INC	446 E	GENERAL OFFSHORE CORP
264 P	DIKENCO INDUSTRIES INC	90 B	GENERAL RESEARCH CORP
343 R	DOTY ASSOCIATES	332 E	GEODYNAMICS CORP
386 N	DUKE UNIVERSITY	379 N	GEOPHYSICAL INSTITUTE OF ALASKA
74 N	D'NALECTRON CCP	276 N	GEORGE WASHINGTON UNIVERSITY
106 R	DYNAMICS RESEARCH CCRF	475 N	GEORGETOWN UNIVERSITY
324 B	DYNELL ELECTRONICS CORP	146 N	GEORGIA INSTITUTE TECH
220 R	EYNETICS INC	185 E	GEORGIA TECH RESEARCH INSTITUTE
146 R	E G & F INC	42 E	GLOBAL ASSOCIATES
326 S	E M F CORP	82 B	GOODYEAR AEROSPACE CORP
41 B	E S L INC	81 E	GOULE INC
124 R	E SYSTEMS INC	31 E	GRUMMAN AEROSPACE CORP
210 R	EASTMAN KODAK CO	86 E	H R EINGER INC
607 R	ECLETECH ASSOCIATES INC	42 B	HARRIS CORP
85 E	ECO CCP	270 N	Harvard University
241 R	EDUCATIONAL COMPUTER CORP	201 N	HAWAII UNIVERSITY OF
217 B	EFFECTS TECHNOLOGY INC	84 E	HAZELTINE CCP
231 B	ELECTRIC SPACE SYSTEMS INC	150 B	HEININGER CURHAM RICHARDSON
273 R	ELECTRONIC COMMUNICATIONS INC	53 E	HERCULES INC
323 R	ELECTRONIC WARFARE ASSOCIATES	354 E	HEWNER CO
262 P	ELCTROSPACE SYSTEMS INC	471 E	HI STAR CORP
326 B	EMERSON & CLAPP INC	20 B	MCNEILLY INC
46 R	EMERSON ELECTRIC CO	315 E	MARIZON TECHNOLOGY INC
430 N	EMMANUEL COLLEGE	473 N	HOUSTON UNIVERSITY OF
207 B	ENERGY RESEARCH CCP	447 N	MOSCIN INSTITUTE

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RANK LIST	CONTRACTOR	RANK LIST	CONTRACTOR
4 R	HUGHES AIRCRAFT CO	195 R	LOCKHEED ELECTRONICS CO INC
212 B	HUGHES RESEARCH LABORATORIES	196 R	LOCKHEED MISSILES & SPACE CO INC
240 N	HUMAN RESOURCES RESEARCH ORGAN	127 R	LOCKHEED SHIPBUILDING CONSTRUCTION
421 B	HYCOM INC	82 R	LOGICON INC
316 B	HYCOR INC	233 N	LOGISTICS MANAGEMENT INSTITUTE
463 B	HYDROACOUSTICS INC	111 R	LORAL CORP
221 B	HYDRAUTICS INC	335 N	LOUISIANA STATE UNIVERSITY OF
294 B	HYDROSCIENCE INC	355 R	M & S COMPUTING INC
494 B	HYDROTRONICS	346 B	M E ASSOCIATES
436 R	I I L C DOVER	478 R	M R J INC
349 B	IR T CORP	110 B	MAGNAVOX CC
109 B	ITT & WESTINGHOUSE JV	101 R	MAGNAVOX GOVT & INDUSTRIAL ELEC CO
56 B	ITT GIBILLAN INC	238 R	MAN TECH CORP
57 N	ILLINOIS INSTITUTE TECHNOLOGY	253 R	MAR INC
173 N	ILLINOIS UNIVERSITY OF	443 R	MARK RESOURCES INC
354 B	IMAGE GRAPHICS INC	138 R	MAFCUARD CO
325 B	INCC INC	8 R	MARTIN MARIETTA CORP
477 B	INFORMATION SPECTRUM INC	211 N	MARYLAND UNIVERSITY OF
67 N	INSTITUTE FOR DEFENSE ANALYSIS	423 R	MASSACHUSETTS COMPUTER ASSOCIATES
280 B	INTERMETRICS INC	16 N	MASSACHUSETTS INSTITUTE TECHNOLOGY
12 B	INTERNATIONAL BUSINESS MACHINES CO	331 N	PASSACHUSETTS UNIVERSITY OF
410 B	INTERNATIONAL COMPUTING CO	438 F	MATRA CO
185 B	INTERNATIONAL HARVESTER CO	116 R	MAXWELL LABORATORIES INC
180 B	INTERNATIONAL LASER SYSTEMS INC	1 R	MCCONELL DOUGLAS CORP
497 B	INTERNATIONAL PUBLIC POLICY FES	444 R	MEAD TECHNOLOGY LABORATORIES
28 B	INTERNATIONAL TELEPHONE & TEL CORP	495 R	MEASUREMENT CONCEPT CORP
111 B	INTERSTATE ELECTRONICS CORP	479 R	MECHANICAL TECHNOLOGY INC
295 N	ICME UNIVERSITY OF	377 R	MERIDIAN GROUP
92 B	ITEK CORP	482 R	MERRIT J L CONSULT & SPEC ENGR SVS
458 B	JAMES RIVER GRAPHICS	119 R	METRIC SYSTEMS CORP
103 R	JAYCCR	282 N	MISI UNIVERSITY OF
13 N	JOHNS HOPKINS UNIVERSITY	499 N	MICHIGAN STATE UNIVERSITY
183 B	KAMAN AEROSPACE CORP	487 N	MICHIGAN TECHNOLOGICAL UNIVERSITY
11 F	KAMAN SCIENCES CORP	216 N	MICHIGAN UNIVERSITY OF
472 N	KANSAS UNIVERSITY OF	410 N	MIDWEST RESEARCH INSTITUTE
454 R	KAPPA SYSTEMS INC	338 N	MINNESOTA UNIVERSITY OF
330 B	KARAEZIAN & CASE STRUCTURAL ENGRS	117 B	MISSION RESEARCH CORP
56 B	KENTRON HAWAII LTD	399 N	MISSOURI UNIVERSITY OF
248 R	KFTCN INC	21 N	MITRE CORP
392 B	KEYSCR CENTURY CORP	485 F	MONSANTO RESEARCH CORP
179 B	KURAS ALTERMAN CORP	34 R	MOTOROLA INC
302 B	L T V CORP	139 N	NATIONAL ACADEMY OF SCIENCES
169 B	LEAR SIEGLER INC	309 N	NATIONAL CNCL SCVIET & EUROPE RSCH
363 N	LEHIGH UNIVERSITY	468 N	NATIONAL SCIENCE FOUNDATION
199 B	LIBRA TECHNOLOGY	304 F	NATIONAL TAIWAN UNIVERSITY NSOF
178 B	LINKABIT CORP	500 R	NETWORK ANALYSIS CORP
194 B	LITTLE ARTHUR D INC	417 N	NEVADA UNIVERSITY OF
177 B	LITTON INDUSTRIES INC	431 N	NEW HAMPSHIRE UNIVERSITY OF
46 B	LITTON SYSTEMS INC	258 N	NEW MEXICO INSTITUTE MINING & TECH
40 B	LOCKHEED CORP	129 N	NEW MEXICO STATE UNIVERSITY

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INDEX OF 500 LARGEST MILITARY
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
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FISCAL YEAR 1979

RANK + LIST *	CONTRACTOR	.	RANK + LIST *	CONTRACTOR
141 N	NEW MEXICO UNIVERSITY OF	.	352 E	POSEIDON RESEARCH
432 S	NEW TECHNOLOGY INC	.	142 F	FOTOMAC RESEARCH INC
255 N	NEW YORK POLYTECHNIC INSTITUTE	.	197 E	RESEARCH INC
277 N	NEW YORK STATE UNIV RESEARCH FLDN	.	245 N	PRINCETON UNIVERSITY
361 N	NEW YORK UNIVERSITY	.	477 E	FREE SYSTEMS INC
134 S	NEWPORT NEWS SHIPBUILD & DRY DOCK CO	.	375 E	PROGRESS AEROSPACE ENTERPRISES INC
254 P	NICHOLS RESEARCH CORP	.	198 E	PROTOTYPE DEVELOPMENT INC
373 S	NIELSEN ENGINEERING & RESEARCH CO	.	272 N	FURDLE RESEARCH FOUNDATION
152 S	NOCREN SYSTEMS INC	.	188 E	CLEST RESEARCH CORP
419 S	NORTH AMERICAN PHILIPS CORP	.	314 E	QUESTRON CORP
498 N	NORTH CAROLINA STATE UNIVERSITY	.	65 E	R & D ASSOCIATES
441 N	NORTH CAROLINA UNIVERSITY OF	.	19 E	RCA CORP
745 N	NORTHEASTERN UNIVERSITY	.	66 N	RAND CORP
452 R	NORTHERN RESEARCH & ENGR CCRP	.	382 E	RAYCOM INDUSTRIES INC
26 R	NORTHROP CCRP	.	7 E	RAVTECH CO
255 N	NORTHWESTERN UNIVERSITY	.	328 N	RENNSELAER POLYTECHNIC INSTITUTE
207 S	C R I INC	.	299 N	RESEARCH TRIANGLE INSTITUTE
396 S	OCEAN DATA SYSTEMS INC	.	298 N	RHODE ISLAND UNIVERSITY OF
216 N	OHIO STATE UNIV RESEARCH FOUNDATION	.	360 P	RISI INDUSTRIES INC
429 N	OHIO STATE UNIVERSITY THE	.	176 N	RIVERSIDE RESEARCH INSTITUTE
250 N	OKLAHOMA STATE UNIVERSITY OF	.	78 N	ROCHESTER UNIVERSITY OF
336 S	OPERATING SYSTEMS INC	.	6 E	ROCKWELL INTERNATIONAL CORP
488 S	OPTICAL SCIENCES CO	.	37 E	RCIR INDUSTRIES INC
261 N	OREGON STATE UNIVERSITY	.	342 E	RCME RESEARCH CORP
756 S	ORINCON CORP	.	406 E	ROSENBAUM HAROLD ASSOCIATES INC
334 N	ORLANDO TECHNOLOGY INC	.	271 F	ROYAL NORWEGIAN NAV MAT COMM
301 S	P E SYSTEMS INC	.	55 N	S & I INTERNATIONAL
164 S	PACCAR INC	.	421 E	S T RESEARCH CORP
317 R	PACER SYSTEMS INC	.	456 E	SACHS FREELAND ASSOCIATES INC
457 N	PACIFIC ANALYSIS CORP	.	252 N	SALK INSTITUTE THE
191 S	PACIFIC SIERRA RESEARCH CORP	.	69 B	SANDERS ASSOCIATES INC
380 S	PACIFICA TECHNOLOGY	.	112 F	SANDERS ASSOC & NORTHROP CORP JV
223 N	PALISADES GEOPHYSICAL INSTITUTE	.	205 E	SANGAM WESTON INC
411 N	PALISADES INSTITUTE	.	283 E	SANTA BARBARA RESEARCH CENTER
247 S	PARAMO DEVELOPMENT CORP	.	387 B	SANTA FE CCRP
137 S	PARENTH RALPH M CC INC	.	246 E	SCHAFFER W J ASSOCIATES INC
165 S	PATTERN ANALYSIS & RECOGNITION CO	.	39 E	SCIENCE APPLICATIONS INC
344 S	PEAT MARWICK MITCHELL & CO	.	490 E	SCIENTIFIC SYSTEMS INC
72 N	PENNSYLVANIA STATE UNIVERSITY	.	340 B	SCOPE ELECTRONICS INC
185 N	PENNSYLVANIA UNIVERSITY OF	.	96 E	SECCO SYSTEMS INC
228 R	PERCEPTRONICS INC	.	213 E	SEPCOR INC
122 R	PERKIN ELMER CORP	.	440 E	SIGNAL SCIENCE INC
327 R	PHOTO SONICS INC	.	322 B	SIGNATRON INC
781 S	PHYSICAL DYNAMICS INC	.	230 E	SIMULATION TECHNOLOGY INC
730 S	PHYSICAL SCIENCES CORP	.	43 E	SINGER CO
100 R	PHYSICS INTERNATIONAL CO	.	390 N	SMITHSONIAN INSTITUTION
234 N	PITTSBURGH UNIVERSITY OF	.	132 B	SOFTech INC
53 S	PLANNING RESEARCH CORP	.	442 E	SCRIBLERS INC
285 S	PLANNING SYSTEMS INC	.	362 E	SCIEX INSTRUMENTS INC
161 S	PNEUMO CCRP	.	462 N	SCLCY CAROLINA UNIVERSITY OF

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FISCAL YEAR 1979

RANK LIST	CONTRACTOR	RANK LIST	CONTRACTOR
285 N	SOUTHEASTERN CTR ELECT ENGR EDC	292 S	TELECYNE INC
285 N	SOUTHERN CALIFORNIA UNIVERSITY CF	50 F	TELECYNE INDUSTRIES INC
305 R	SOUTHERN ELECTRICITY	321 N	TENNESSEE UNIVERSITY OF
227 N	SOUTHERN RESEARCH INSTITUTE	449 E	TERRA TEK INC
145 N	SOUTHWEST RESEARCH INSTITUTE	200 F	TETRA TECH INC
246 R	SPACE DATA CORP	736 N	TEXAS A & M RESEARCH FOUNDATION
369 R	SPACE VECTOR CORP	305 N	TEXAS A & M UNIVERSITY
251 R	SEAFON CORP	29 F	TEXAS INSTRUMENTS INC
464 R	SEARS ASSOCIATES INC	496 F	TEXAS TECHNOLOGICAL COLLEGE
427 B	SPECTRA RESEARCH SYSTEMS INC	70 N	TEXAS UNIVERSITY OF
320 R	SPIERRY FLIGHT SYSTEMS	52 E	TEXTRON INC
30 R	SPIERRY RADAR CORP	45 F	THICKOL CORP
264 R	SPIFE CORP	140 E	TRACER INC
461 R	SPRINGDALE LABORATORIES INC	265 E	ULTRASYSTEMS INC
127 R	STARCOM TELECOMMUNICATIONS INC	466 R	UNICDYNAMICS PHOENIX INC
61 N	STANFORD UNIVERSITY	274 F	UNITED KINGDOM MINISTRY OF DEFENCE
136 R	STEAMBOY FOGER INC	237 N	UNITED STATES COMMERCE DEPT
460 B	STEIN ASSOCIATES INC	351 N	UNITED STATES ENERGY DEPT
171 R	STERCEL AERL ENGINEERING CORP	229 N	UNITED STATES NATL AERL SPACE AGY
405 R	STERLING WALTER V INC	11 F	UNITED TECHNOLOGIES CORP
726 N	STEVENS INSTITUTE OF TECHNOLOGY	150 N	UTAH STATE UNIVERSITY
15 F	SUMMA CORP	63 N	UTAH UNIVERSITY OF
460 B	SUMMIT RESEARCH CORP	244 F	VALVE ENGINEERING CO
492 R	SUN CO INC	154 E	VARIAN ASSOCIATES
413 R	SYNGETICS CORP	181 E	VARC INC
311 B	SYNCTIC SYSTEMS CORP	268 E	VFCTCR RESEARCH INC
374 N	SYRACUSE RESEARCH CORP	247 E	VECA INC
226 N	SYRACUSE UNIVERSITY	414 F	VECH PRECISION LABORATORIES INC
291 N	SYRACUSE UNIVERSITY RESEARCH CORP	281 N	VIRGINIA POLYTECHNIC INSTITUTE
628 B	SYSTEM ALLOCATION CORP	407 N	VIRGINIA UNIVERSITY OF
61 R	SYSTEM DEVELOPMENT CORP	291 F	WISICOM INC
114 R	SYSTEM PLANNING CORP	22 F	WOLGHT CORP
224 R	SYSTEMATICS GENERAL CORP	439 F	WREDENBURG R H S CO
412 B	SYSTEMS & AFFILIATED SCIENCES CORP	337 E	WAGNER DANIEL H ASSOCIATES INC
121 B	SYSTEMS CONSULTANTS INC	102 N	WASHINGTON UNIVERSITY OF
167 R	SYSTEMS CONTROL INC	318 E	WATKINS JOHNSON CC
205 R	SYSTEMS ENGINEERING LABORATORIES	309 N	WAYNE STATE UNIVERSITY
787 R	SYSTEMS PLANNING & ANALYSIS INC	263 E	WEIDLINGER ASSOCIATES CONSULT ENGR
70 R	SYSTEMS RESEARCH LABORATORIES INC	267 N	WEIRWORTH INSTITUTE
125 R	SYSTEMS SCIENCE & SOFTWARE	44 F	WESTERN ELECTRIC CO INC
433 B	SYSTEMS TECHNOLOGY INC	148 B	WESTERN GEAR CORP
155 R	T R & COLORADOC EL CTRONICS INC	14 F	WESTINGHOUSE ELECTRIC CORP
6 R	T R W INC	206 E	WHITTAKER CORP
741 R	TECH-LIC INTERNATIONAL	30 F	WILLIAMS RESEARCH CORP
285 B	TECHNOLOGY DEVELOPMENT CORP	238 N	WISCONSIN UNIVERSITY OF
275 R	TECHNOLOGY INC	131 N	WOODS HOLE OCEANOGRAPHIC INST
106 R	TECHNOLOGY SERVICE CORP	147 F	XEROX CORP
486 R	TELCOM SYSTEMS INC	492 E	XFITEK
64 B	TELECYNE BROWN ENGINEERING	282 B	YONICS INC
120 R	TELECYNE CAE	235 N	YALE UNIVERSITY

* = BUSINESS FIRM
F = FOREIGN CONTRACTOR
N = NON PROFIT INSTITUTION

SECTION I - U. S. BUSINESS FIRMS
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	MCDONNELL DOUGLAS CORP HUNTINGTON AFB CALIFORNIA LONG BEACH CALIFORNIA MONROVIA CALIFORNIA LOWMYER AFB COLORADO WASHINGTON DC TITUSVILLE FLORIDA ST CHARLES MISSOURI ST LOUIS MISSOURI KIRTLAND AFB NEW MEXICO WHITE SANDS NM NEW MEXICO	770,645 *	GENERAL ELECTRIC CO PHILADELPHIA PA VALLEY FORGE PA WARRINGTON PA BURLINGTON VERMONT ARLINGTON VA ASHLAND VIRGINIA WAYNESBORO VIRGINIA	13,256 735 71 1,370 464 97 37	
2	BOEING CO MUNTSVILLE ALABAMA VANDENBERG AFB CALIFORNIA WICHITA KANSAS KIRTLAND AFB NEW MEXICO HOUSTON TEXAS EVERETT WASHINGTON SEATTLE WASHINGTON	675,110 *	6 ROCKWELL INTERNATIONAL CORP FOOT MESA ARIZONA ALAMOGORDO NEW MEXICO ANAHEIM CALIFORNIA CANCUN GUATEMALA CONNELLY SPRINGS IDAHO EL SEGUNDO CALIFORNIA LOS ANGELES CALIFORNIA NEWPORT BEACH CALIFORNIA SANTA SUSANA CALIFORNIA SEAL BEACH CALIFORNIA THOUSAND OAKS CALIFORNIA BLUFFFIELD CONNECTICUT CEDAR RAPIDS IOWA KIRTLAND AFB NEW MEXICO GOFFLEBURY NEW YORK COLUMBUS OHIO WEIGHT FATHERS CINCINNATI OHIO TULSA OKLAHOMA DALLAS TEXAS RICHARDSON TEXAS	328,050 * 60 148 55,663 51,217 58,565 240 24,051 6,466 575 10,253 74,20 566 12,976 61 163 55,222 55 26 2,627 1,125	
3	GENERAL DYNAMICS CCP POMONA CALIFORNIA SAN DIEGO CALIFORNIA GRATOR CCN EGLIN AFB FLORIDA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO FORT WORTH TEXAS	491,547 *	7 RAYTHEON CO MUNTSVILLE ALABAMA GOLETA CALIFORNIA ANDOVER MASSACHUSETTS BEDFORD MASSACHUSETTS LEXINGTON MASSACHUSETTS LOWELL MASSACHUSETTS SUDBURY MASSACHUSETTS WALTHAM MASSACHUSETTS MAYLAND MASSACHUSETTS WEST ANDOVER MASSACHUSETTS PORTSMOUTH NH	274,620 * 36 4,652 12,617 151,986 67 16,151 21,85 15,824 325 2,055	
4	MICHES AIRCRAFT CO TUCSON ARIZONA CAMDEN PARK CALIFORNIA CARLSBAD CALIFORNIA CULVER CITY CALIFORNIA EL SEGUNDO CALIFORNIA FULLERTON CALIFORNIA IRVINE CALIFORNIA LOS ANGELES CALIFORNIA MALTZU CALIFORNIA NEWPORT BEACH CALIFORNIA SAN DIEGO CALIFORNIA TORRANCE CALIFORNIA SOUTH BOULDER COLORADO MOLLOMAN AFB NEW MEXICO SEATTLE WASHINGTON	428,926 *	8 MARTIN MARIETTA CORP REDSTONE ARSENAL ALABAMA VANDENBERG AFB CALIFORNIA DENVER COLORADO WATERTON COLORADO ORLANDO FLORIDA BALTIMORE MARYLAND WAKEFIELD MASSACHUSETTS	252,621 * 76 15,313 56,620 2,316 177,912 542 4,925	
5	GENERAL ELECTRIC CO MUNTSVILLE ALABAMA WILLIAMS AFB ARIZONA PLEASANTON CALIFORNIA SANTA BARBARA CALIFORNIA SUNNYVALE CALIFORNIA WASHINGTON CC CALIFORNIA DAYTONA BEACH FLORIDA BELTSVILLE MARYLAND WANSCOM AFB MASSACHUSETTS LYNN MASSACHUSETTS FITCHFIELD MASSACHUSETTS WEST LYNN MASSACHUSETTS WILMINGTTON MASSACHUSETTS WYANDOTTE MICHIGAN BINGHAMPTON NEW YORK JOHNSON CITY NEW YORK NORTH SYRACUSE NEW YORK SCHEECTADY NEW YORK SYRACUSE NEW YORK UTICA NEW YORK WATERFORD NEW YORK CINCINNATI OHIO EVENDALE OHIO EPRI PA KING OF PRUSSIA PA	332,025 *	9 TRW INC MUNTSVILLE ALABAMA LAUREL CALIFORNIA MOUNTAIN VIEW CALIFORNIA NEWBURY PARK CALIFORNIA NORTON AFB CALIFORNIA RECONOCO BEACH CALIFORNIA SAN JUAN CAPIS CALIFORNIA EGLIN AFB FLORIDA MONROVIA CITY HAWAII ALBUQUERQUE NEW MEXICO JAMESTOWN NEW YORK CLEVELAND OHIO PHILADELPHIA PA LANGLEY AFB VIRGINIA MCLEAN VIRGINIA NORFOLK VIRGINIA	247,862 * 466 25 65 11,374 41,595 165,117 2,368 200 432 61 36 100 64 143 15,764 166	

* = PLUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
10	LOCKHEED MISSILES & SPACE CO INC MONTGOMERY HUNTSVILLE ALABAMA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA ALBUQUERQUE NEW MEXICO MAGNA UTAH	168,796 *	20	HONEYWELL INC SAN DIEGO MOUNTAIN VIEW CALIFORNIA DENVER COLORADO ST PETERSBURG FLORIDA MINNEAPOLIS MINNESOTA SAINT PAUL MINNESOTA FRAMINGHAM MASSACHUSETTS LEXINGTON MASSACHUSETTS BLOOMINGTON MINNESOTA MORRISON MINNESOTA SEATTLE WASHINGTON	92,983 *
11	UNITED TECHNOLOGIES CORP COMPTON CALIFORNIA SAN JOSE CALIFORNIA SUNNYVALE CALIFORNIA BRIGHTONPORT CONNECTICUT EAST HARTFORD CONNECTICUT HARTFORD CONNECTICUT NORFOLK CONNECTICUT NORWALK CONNECTICUT NORWICH CONNECTICUT SOUTH WINDSOR CONNECTICUT STRATFORD CONNECTICUT WINDSOR LOCKS CONNECTICUT WEST PALM BEACH FLORIDA KIRTLAND AFB NEW MEXICO GARDEN CITY NEW YORK PELIVILLE NEW YORK FORT SILL OKLAHOMA FORT WASHINGTON PENNSYLVANIA	168,449 *	21	MCGRAW-HILL INC MCNOLLU CITY HAWAII STERLING HEIGHTS MICHIGAN DALLAS TEXAS GRAND PRAIRIE TEXAS	84,125 *
12	INTERNATIONAL BUSINESS MACHINES CORP MONTGOMERY ALABAMA LOS ANGELES CALIFORNIA SAN DIEGO CALIFORNIA SAN JOSE CALIFORNIA WESTLAKE VILLA CALIFORNIA GALTHERSBURG MARYLAND KIRTLAND AFB NEW MEXICO HONEYWELL JUNCT NEW YORK ONEGO NEW YORK YORKTOWN MFGS NEW YORK HARBINSTER PENNSYLVANIA HOUSTON TEXAS Arlington VIRGINIA MANASSAS VIRGINIA	160,903 *	22	CHRYSLER CORP MONTGOMERY ALABAMA CULVER CITY CALIFORNIA NEW ORLEANS LOUISIANA SLIDELL LOUISIANA CENTER LINE MICHIGAN DETROIT MICHIGAN LIPA CHICAGO	78,273 *
13	WESTINGHOUSE ELECTRIC CORP SUNNYVALE CALIFORNIA ANNAPOLIS MARYLAND BALTIMORE MARYLAND FORT PEACE MARYLAND HUNT VALLEY MARYLAND OHAVILLE OHIO CHESNICK PENNSYLVANIA PITTSBURGH PENNSYLVANIA WASHINGTON PENNSYLVANIA WEST MIFFLIN PENNSYLVANIA	133,344 *	23	GTE SYLVANIA INC ANAHUAC CALIFORNIA LOS ANGELES CALIFORNIA MOUNTAIN VIEW CALIFORNIA NEEDHAM HEIGHTS MASSACHUSETTS WHITE SANDS NM NEW MEXICO SPRINGFIELD VIRGINIA CLAY LAKE WISCONSIN	77,229 *
14	SUPRA CORP REESTONE AREA CULVER CITY CALIFORNIA	124,958 *	24	NORTHROP CORP MONTGOMERY ALABAMA ANAHUAC CALIFORNIA MALTHERNE CALIFORNIA PALOS VERDES E CALIFORNIA DES PLAINES ILLINOIS ROLLING MEADOW ILLINOIS NORMWOOD MASSACHUSETTS ARLINGTON VIRGINIA	64,953 *
15	AFC INC ANNAPOLIS CORP	120,067 *	25	FORD AEROSPACE & COMMUNICATIONS IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA PALO ALTO CALIFORNIA	60,777 *
16	DECOR CORP BURLINGTON MASSACHUSETTS CAMDEN NEW JERSEY CHERRY HILL NEW JERSEY HIGHSTEDDN NEW JERSEY MOGESTICHA NEW JERSEY PRINCETON NEW JERSEY SUPERVILLE NEW JERSEY NEWPORT R.I. SPRINGFIELD VIRGINIA	107,165 *	26	INTERNATIONAL TELEPHONE & TEL CORP COSTA MESA CALIFORNIA SANTA ANA CALIFORNIA VAN NUYS CALIFORNIA FORT WAYNE INDIANA CLIFTON NEW JERSEY HUTLEY NEW JERSEY PARAMUS NEW JERSEY ROANOKE VIRGINIA	57,948 *
* = PLUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)					
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
25	TEXAS INSTRUMENTS INC RIDGECREST CALIFORNIA EGLIN AFB FLORIDA KIRTLAND AFB NEW MEXICO DALLAS TEXAS	56,084 * 223 54 21- 56,548		SCIENCE APPLICATIONS INC FORT WALTON BE FLORIDA STUART FLORIDA ATLANTA GEORGIA SCHAUMBURG ILLINOIS BEDFORD MASS BOSTON MASS ANN ARBOR MICHIGAN MERCURY NEVADA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERSON OHIC WAYNE PA ARLINGTON VIRGINIA MCLEAN VIRGINIA VIENNA VIRGINIA	246 306 642 34 116 54 155 140 1,007 17 261 100 251 2,120 6,325 263
26	SPEERY RAND CORP MUNTSVILLE ALABAMA PHOENIX ARIZONA LOMFOC CALIFORNIA WASHINGTON DC CLEARWATER FLORIDA SUDOUEY MASS MINNEAPOLIS MINNESOTA ST. PAUL MINNESOTA WHITE SANDS NM NEW MEXICO GREAT NECK NEW YORK SOUTHAMPTON NY HAWTHORNE PA SALT LAKE CITY UTAH ALEXANDRIA VIRGINIA FAIRFAX VIRGINIA RESTON VIRGINIA	95,647 * 3,496 1,914 2,640 35 1,230 270 332 9,666 95 30,841 40 1,495 22- 70 1,988 2,636		25 WILLIAMS RESEARCH CORP WALLED LAKE MICHIGAN	42,446 * 42,446
27	GRUMMAN AEROSPACE CORP BETHPAGE NEW YORK	56,458 * 56,458		48 LOCKHEED CORP BURBANK CALIFORNIA ONTARIO CALIFORNIA PALO ALTO CALIFORNIA SALGUS CALIFORNIA SUNNYVALE CALIFORNIA MARIETTA GEORGIA	41,720 * 2,131 75- 98 143 1,021 37,757
28	AERJET GENERAL CORP AZUSA CALIFORNIA CONNEY CALIFORNIA FULLERTON CALIFORNIA NIMBUS CALIFORNIA SACRAMENTO CALIFORNIA PANAMA CITY FLORIDA NEW ORLEANS LOUISIANA	52,182 * 19,751 7,272 5,526 465 19,015 1,371 1,984		41 E S L INC SUNNYVALE	40,412 * 456 30,964
29	F P C CORP SAN JOSE CALIFORNIA SANTA CLARA CALIFORNIA MINNEAPOLIS MINNESOTA	51,458 * 48,967 775 1,716		42 HARRIS CORP FORT WALTON BE FLORIDA PELICANE FLORIDA PALM BAY FLORIDA ROCHESTER NEW YORK SYCESET NEW YORK	36,752 * 275 14,702 21,666 11 98
30	MOTOROLA INC SCOTTSDALE ARIZONA TEMPE ARIZONA CHINA LAKE CALIFORNIA	50,643 * 34,516 16,075 92		43 SINGER CO WILLIAMS AFB ARIZONA GLENDALE CALIFORNIA SUNNYVALE CALIFORNIA FAIRFIELD NEW JERSEY LITTLE FALLS NEW JERSEY WAYNE NEW JERSEY BINGHAMTON NEW YORK STATE COLLEGE PA HOUSTON TEXAS	36,026 * 54 24,518 46- 16- 1,253 1,416 7,112 558 151
31	AVCO CORP STRATFCRC CONN EVERETT MASS LOWELL MASS WILMINGTTON MASS	46,761 * 5,603 867 606 39,865		44 WESTERN ELECTRIC CO INC VARDENBERG AFB CALIFORNIA WHIPPERY NEW JERSEY BURLINGTON NCAR GREENSBORO NCAR NIASCH SALEM NCAR	35,610 * 3,577 15,612 410 6,473 6,270
32	AUTOMATION INDUSTRIES INC EGLTN AFB FLORIDA SILVER SPRING MARYLAND	45,185 * 19,247 25,438		45 THOMOK CORP MURTSVILLE ALABAMA ELKTON MARYLAND PIGMAR CITY UTAH LOGAN UTAH	33,466 * 4,722 3,007 27,110 151
33	RCM INDUSTRIES INC CHULA VISTA CALIFORNIA MOUNTAIN VIEW CALIFORNIA PATHEMNT RIVER MARYLAND	46,667 * 29,447 28 5,200		46 LITTEN SYSTEMS INC SAN CARLOS CALIFORNIA SUNNYVALE CALIFORNIA VAR NUYS CALIFORNIA WOODLAND MILLS CALIFORNIA COLLEGE PARK MARYLAND PASCAGOOLA MISS MORRIS FLAINS NEW JERSEY MELVILLE NEW YORK	32,262 * 1,254 158 21,626 7,789 1,077 78 117 2,010

* = MINUS AMOUNT CANCELLATIONS EXCEED NEW AWARDS
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS						
46	LITTEN SYSTEMS INC DALLAS BLACKSBURG SPRINGFIELD	TEXAS VIRGINIA VIRGINIA	28	56 GENERAL MOTORS CORP GOLETA INDIANAPOLIS SPEECHNAV DETROIT WARREN	CALIFORNIA INDIANA INDIANA MICHIGAN MICHIGAN	22,684 *	5,832	17,824	656	66	22
47	P C P COR HUNTSVILLE MONTEREY FORT WADZ ALBUQUERQUE KIRTLAND AFB WRIGHT PATTERS MCLEAN NORFOLK VIENNA	ALABAMA CALIFORNIA KENTUCKY NEW MEXICO NEW MEXICO OHIO VIRGINIA VIRGINIA VIRGINIA	31,611 *	58 CUTLER HAMMER INC DEER PARK PARKINGALE HELVILLE	NEW YORK NEW YORK NEW YORK	22,884 *	21,752	45	1,177		
48	GLOBAL ASSOCIATES	T T PAC IS	31,386 *	59 KENTRON HAWAII LTD EDWARDS AFB HILL AFB	T T PAC IS CALIFORNIA UTAH	22,624 *	16,264	5,391	489		
49	EMERSON ELECTRIC CO CALIFRAS OCEANSIDE CASSELBERG ST LOUIS	CALIFORNIA CALIFORNIA FLORIDA MISSOURI	38,156 *	60 BENDIX CCP NORTH HOLLYWOOD SYLMAR FORT LADDERDAL PISSAWAKA DAVENPORT BALTIMORE COLUMBIA TOWSON AND ARBOR SOUTHFIELC EATONTOWN TETERBORC SIXMEY	CALIFORNIA CALIFORNIA FLORIDA INDIANA IOWA MARYLAND MARYLAND MARYLAND MICHIGAN MICHIGAN NEW JERSEY NEW JERSEY NEW YORK	21,475 *	6,849	182	167	96	7,912
50	TELCYNE INDUSTRIES INC COSTA MESA ACOTHICGE SAN DIEGO MUSKEGAN WHITE SANDS TS GARLAND HILL AFB ALEXANDRIA	CALIFORNIA CALIFORNIA CALIFORNIA MICHIGAN NEW MEXICO TEXAS UTAH VIRGINIA	27,131 *	61 SYSTEM DEVELOPMENT CCP MUNTSVILLE HOFFETT FIELD SANTA MONICA SUANNAVAL EATONTOWN FORT MONMOUTH WEST LONG BRAN DAYTON MCLEAN	ALABAMA CALIFORNIA CALIFORNIA CALIFORNIA NEW JERSEY NEW JERSEY NEW JERSEY OHIO VIRGINIA	21,212 *	2,656	4,446	7,210	132	524
51	COMPUTER SCIENCES CORP MUNTSVILLE DEL MAR REDONDO BEACH SAN DIEGO FORT WALTON BE SILVER SPRING BEDFORD FORT MONMOUTH POCRESTCWN ALBUQUERQUE KIRTLAND AFB MUNTINGOON FALLS CHURCH	ALABAMA CALIFORNIA CALIFORNIA CALIFORNIA FLORIDA MARYLAND MASS NEW JERSEY NEW JERSEY NEW MEXICO NEW MEXICO PA VIRGINIA	26,938 *	62 CONTROL DATA CCP MUNTSVILLE MONTEREY SAN DIEG ROCKVILLE ARLEN HILLS MINNEAPOLIS FORT MONMOUTH ARLINGTOM	ALABAMA CALIFORNIA CALIFORNIA MARYLAND MINNESOTA MINNESOTA NEW JERSEY VIRGINIA	18,882 *	1,920	34	100	369	117
52	TEXTON INC BELPOAT PACIFICA CHEWIEGE WATERBURY EGLIN AFB PENSACOLA CITY NEW ORLEANS BUFFALO WHEATFIELD FORT WORTH MURST	CALIFORNIA CALIFORNIA CORN CORN FLORIDA FLORIDA LOLISIAMA NEW YORK NEW YORK TEXAS TEXAS	24,558 *	63 TELECYNE BROWNE ENGINEERING MUNTSVILLE COSTA MESA FORT WALTON BE COLLEGE PARK SILVER SPRING	ALABAMA CALIFORNIA FLORIDA MARYLAND MARYLAND	15,937 *	15,435	200	312	20	20
53	PERFCLES INC WILMINGTN FORT WALTON BE MCGREGOR BACCHUS MAGNA ROCKET CENTER	DELAWARE FLORIDA TEXAS UTAH UTAH WVA	24,505 *	64 R & D ASSOCIATES LOS ANGELES MARINA DEL REY KIRTLAND AFB ARLINGTON	CALIFORNIA CALIFORNIA NEW MEXICO VIRGINIA	15,610 *	125	12,605	1,680	1,110	
				65 GARRETT CORP PHOENIX LOS ANGELES TORRANCE BELPAR	ARIZONA CALIFORNIA CALIFORNIA NEW JERSEY	15,146 *	7,760	322	7,163	73	

* = ITALIC AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
 S = SMALL BUSINESS

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
66	SANDERS ASSOCIATES INC MANCHESTER NH MERRIMACK NH NASHUA NH	15,120 *		LOGICON INC WRIGHT PATTERNS OHIO	7,059
71	BOEING VERTOL CO PHILADELPHIA PA RIDLEY PA RICLEY PARK PA	14,678 *	69	ECC CORP COLLEGE POINT NEW YORK	11,355 *
73	FARNSWOLD INDUSTRIES INC MANHATTAN BEAC CALIFORNIA GERMANIAN MARYLAND FARMINGDALE NEW YORK SYOSSET NEW YORK	14,588 *	60	GENERAL RESEARCH CORP MUNTVILLE ALABAMA SANTA BARBARA CALIFORNIA WASHINGTON DC FORT WALTON BE FLORIDA MCLEAN VIRGINIA	11,166 * 2,677 6,532 168 119 1,631
74	CYNALECTRON CORP ALBUQUERQUE NEW MEXICO MULLOYAN AFB NEW MEXICO KIRTLAND AFB NEW MEXICO WRIGHT PATTERNS OHIO	14,320 *	62	ITEK CORP CARLSBAD CALIFORNIA SUNNYVALE CALIFORNIA LEXINGTON MASS	10,423 *
75	CALSPAN CORP BUFFALO NEW YORK WRIGHT PATTERNS OHIO	14,220 *	67	PLANNING RESEARCH CORP CAMP PENDLETON CALIFORNIA BEDFORD MASS OFFUTT AFB NEBRASKA FORT POMPOUTH NEW JERSEY WRIGHT PATTERNS OHIO SAN ANTONIO TEXAS MCLEAN VIRGINIA	10,146 * 150 1,664 210 6,125 466 360 29 2,559
79	SYSTEMS RESEARCH LABORATORIES INC CASTLE AFB CALIFORNIA GRIFFISS AFB NEW YORK DAYTON OHIO WRIGHT PATTERNS OHIO NEW-ORT NEMS VIRGINIA	12,420 *	64	BUNKER RAMO CORP WESTLAKE VILLA CALIFORNIA BAMBERY CONN EGLIN AFB FLORIDA GRIFFISS AFB NEW YORK	10,326 * 9,667
80	AVCC EVERETT RESEARCH LABORATORY NAIJI HAWAII EVERETT MASS	12,414 *	95	BCCZ ALLEN & HAMILTON INC SAN DIEGO CALIFORNIA WASHINGTON DC FORT WALTER BE FLORIDA PETMEODA MARYLAND MANSCOP AFB NEW SHRESBURY NEW JERSEY	9,662 *
81	GCLLC INC EL PONTE CALIFORNIA OXNARD CALIFORNIA ROLLING MEADOWS ILLINOIS GLEN PURDIE MARYLAND CLEVELAND OHIO	12,045 *	66	SECCO SYSTEMS INC FARMINGTON HILLS MICHIGAN PELVILLE NEW YORK	5 6,416 * 66 9,357
82	GCCEYEAR AEROSPACE CORP LITCHFIELD FAB ARIZONA FORT WAYNE INDIANA AKRON OHIO FORT BELVOIR VIRGINIA	11,977 *	96	ANALYTIC SCIENCES CORP READING MASS ARLINGTON VIRGINIA	5 6,700 * 5,130 161
83	A F I CORP GREENEEN PROV MARYLAND BALTIMORE MARYLAND COCHESVILLE MARYLAND	11,905 *	99	I T T GILFILLAN INC VAR NUYS CALIFORNIA	6,266 * 6,266
84	HAZELTINE CORP AVO PASS BRAINTREE PASS GREENLAWN NEW YORK	11,900 *	100	PHYSICS INTERNATIONAL INC SAN LAMARO CALIFORNIA	6,166 * 6,166
86	W F F SINGER INC WRIGHT PATTERNS OHIO STATE COLLEGE PA	11,612 *	101	MAGNAVAC GOVT & INDUSTRIAL ELEC CO TORRANCE CALIFORNIA FORT WAYNE INDIANA PAHNN NEW JERSEY MCNTYULE NEW JERSEY PHILADELPHIA PA	6,662 * 4,612 1,770 2,422 122 26
87	HOLY MERAKER & MEMBER INC CANOGA PARK CALIFORNIA CAPRICGE PASS ARLINGTON VIRGINIA	11,492 *	102	JAYCOR DEL MAR CALIFORNIA WASHINGTON DC ALEXANDRIA VIRGINIA	5 6,616 * 4,612 66 2,755
88	LCICON INC SAN DIEGO CALIFORNIA SAN PLERC CALIFORNIA TORFANCE CALIFORNIA MANSCOP AFB MASS LEYNGTON PASS	11,381 *	104	ARES INC PORT CLINTON OHIO	5 6,612 * 6,612

* = minus amount (cancellations exceed new awards)
S = small business

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PAGE	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
116	CAMPBELL ALLEN INC TUPA KIRTLAND AFB	8,266 *	.	PERKIN ELMER CORP SILVER SPRING	64 MAVLANE
	ARIZONA N.MEXICO	1,723	.	NEPTUNE CITY	16 NEW JERSEY
		6,563	.	KIRTLAND AFB	22 NEW MEXICO
118	TECHNOLOGY SERVICE CORP SANTA MONICA	8,173 *	.	123 STANFORD TELECOMMUNICATIONS INC	6,783 *
	SILVER SPRING	8,143	.	MOUNTAIN VIEW	222 CALIFORNIA
	MARYLAND	30	.	PLEASANTON	213 CALIFORNIA
119	ITT & WESTINGHOUSE JV MUTLEY	8,136 *	.	SUNNYVALE	6,222 CALIFORNIA
	NEW JERSEY	8,136	.		
120	PAGNAVOX CO TORRANCE	8,046 *	.	124 E SYSTEMS INC	6,752 *
	FORT LEE	5,077	.	ST PETERSBURG	3,754 FLORIDA
	INDIANA	2,361	.	DALLAS	146 TEXAS
	HAROLD	36	.	GARLACE	98 TEXAS
	PHILADELPHIA	472	.	GREENVILLE	517 TEXAS
	PA		.	FALLS C'PLRCH	1,787 VIRGINIA
			.	NORFOLK	446 VIRGINIA
121	LGRAL CORP YONKERS	8,024 *	.		
	NEW YORK	8,024	.		
122	SANCERS ASSOC'S & MCATMOR CORP JV NASUA	8,023 *	.	125 AMERICAN ELECTRONIC LABS INC	6,702 *
	AM	8,022	.	FORT PONPORTH	55 NEW JERSEY
123	INTERSTATE ELECTRONICS CORP ANAHEIM	7,959 *	.	MILL TOWNSHIP	108 NEW JERSEY
	MARLBOROUGH	7,946	.	COLMAR	3,418 PA
	PA	19	.	LANSCEAL	973 PA
			.	MONTGOMERYVILL	2,156 PA
124	SYSTEM PLANNING CORP MONTGOMERY	7,846 *	.	126 CURTISS WRIGHT CORP	6,614 *
	ARLINGTON	125	.	WOOD RIDGE	6,614 NEW JERSEY
	ALABAMA	7,721	.		
125	BOEING AEROSPACE CO	7,793 *	.	127 LOCKHEED SHIPBUILDING CONSTRUCTION	6,625 *
	HUNTSMVILLE	80	.	SEATTLE	6,629 WASHINGTON
	SUNNYVALE	690	.		
	CALIFORNIA		.		
	MONTGOMERY	16	.		
	TEXAS		.		
	KENT	67	.		
	WASHINGTON		.		
	SEATTLE	6,968	.		
			.		
126	MARVELL LABORATORIES INC	7,737 *	.	128 FLIGHT SYSTEMS INC	6,625 *
	LOS ANGELES	27	.	MC JAEVE	2,740 CALIFORNIA
	CALIFORNIA		.	NEWPORT BEACH	2,722 CALIFORNIA
	SAN DIEGO	7,112	.	WHITE SANDS MS	1,322 NEW MEXICO
	ALBUQUERQUE	790	.	ARLINGTON	120 VIRGINIA
	NEW MEXICO	246	.		
127	MISSION RESEARCH CORP	7,732 *	.	132 SOFTECH INC	6,111 *
	LA JOLLA	267	.	TORRANCE	99 CALIFORNIA
	CALIFORNIA		.	WALTHAM	4,661 MASS
	SAN DIEGO	899	.	GRIFFISS AFB	265 NEW YORK
	SANTA BARBARA	4,175	.	WRIGHT PATTERS	1,266 OHIO
	ALBUQUERQUE	2,094	.		
	NEW MEXICO	857	.		
	KIRTLAND AFB		.		
128	KAHAN SCIENCES CORP	7,660 *	.	133 PARSONS RALPH N CO INC	5,922 *
	COLORADO SPRINGS	6,065	.	PASADENA	5,922 CALIFORNIA
	BURLINGTON	615	.		
129	PETRIC SYSTEMS CORP	7,192 *	.	134 NEWPORT NEWS SHIPBLD & CRY DOCK CO	5,912 *
	FORT WALTON BE	7,192	.	NEWPORT NEWS	5,913 VIRGINIA
130	TELETYPE C A E	7,040 *	.		
	TOLEDO	7,040	.	135 STEARNS ROGER INC	5,956 *
	OHIO		.	VANDENBERG AFB	5,628 FLORIDA
131	SYSTEMS CONSULTANTS INC	6,925 *	.	CAPE CANAVERAL	366 FLORIDA
	WASHINGTON	5,726	.		
	DC		.		
	CAYTON	211	.	136 TRACOR INC	5,472 *
	OHIO		.	NEW LONDON	28 CONN
	NEWPORT	608	.	PORT EVERGLADE	475 FLORIDA
	RI		.	ROCKVILLE	670 MARYLAND
	ARLINGTON	186	.	AUSTIN	3,967 TEXAS
	VIRGINIA		.	ARLINGTON	420 VIRGINIA
	ROSSLYN	124	.	MIDDLETON	11 WISCONSIN
132	PERKIN ELMER CORP	6,830 *	.		
	COSTA MESA	15	.		
	CALIFORNIA		.		
	POMONA	28	.		
	CALIFORNIA		.		
	SOUTH PASADENA	17	.		
	CALIFORNIA		.		
	OAKBURY	28	.		
	CONN		.		
	NORWALK	3,089	.		
	CONN		.		
	WILTON	3,084	.		

* = minus amount (cancellations exceed new awards)
S = small business

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1979 *

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
142	PCTCPAC RESEARCH INC WASHINGTON DC PANAMA CITY FLORIDA ALEXANDRIA VIRGINIA BAILEYS CROSSING VIRGINIA MCLEOD VIRGINIA WARRENTON VIRGINIA	\$ 5,489 *	164	PACCAR INC RENTON WASHINGTON	4,837 * 4,837
143	CINCINNATI ELECTRONICS CORP WHITE SANDS NM NEW MEXICO CINCINNATI OHIO	5,298 *	165	PATTERN ANALYSIS & RECOGNITION CO ROPE NEW YORK	3,953 * 3,952
144	CURIC CORP SAN DIEGO CALIFORNIA	5,295 *	166	ANALYTICS INC HANSCOM AFB MASS NEW SHREBURN PA NEW JERSEY MCLEAN VIRGINIA	3,877 * 236 507 2,377 857
145	XEROX CCP PALO ALTO CALIFORNIA PASADENA CALIFORNIA	5,086 *	167	SYSTEMS CONTROL INC PALO ALTO CALIFORNIA	3,634 * 3,634
146	WESTERN STAR CORP CITY OF INDIANAPOLIS INDIANA JAMESPORTA NEW YORK	5,082 *	168	ATLANTIC RESEARCH CORP ROPE NEW YORK ALEXANDRIA VIRGINIA GAINESVILLE VIRGINIA	3,622 * 756 1,916 1,268
147	E E & G INC ROCKVILLE MARYLAND SAFEPASS MASS ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	5,078 *	169	LEAR SIEGLER INC SANTA MONICA CALIFORNIA EGLIN AFB FLORIDA GRAND RAPIDS MICHIGAN MAPLE HEIGHTS OHIO	3,626 * 611 1,234 1,715 344
148	HENNINGSTON DURHAM FIDUCIALSON SANTA BARBARA CALIFORNIA	5,069 *	170	FAIRCHILD CAMERA & INSTRUMENT CORP MOUNTAIN VIEW CALIFORNIA PALO ALTO CALIFORNIA SYOSSET NEW YORK	3,606 * 51 48 3,713
149	FUGRO NATIONAL INC LONG BEACH CALIFORNIA	\$ 5,029 *	171	STENCIL AERO ENGINEERING CORP ASHEVILLE NCAR	3,762 * 3,762
150	NORDEN SYSTEMS INC NORFOLK VIRGINIA PELVILLE NEW YORK	4,916 *	172	BRUNSWICK CORP COSTA MESA CALIFORNIA DE LAND FLORIDA LINCOLN NEBRASKA WILLARD OHIO PARION VIRGINIA	3,771 * 1,616 1,132 241 61 471
151	REACTIX FIFTEEN ENGINEERING CORP COLLMER MARYLAND MERCURY NEVADA	4,909 *	173	COPHARD CONTROL & COMPUTERIZATION BEDSTONE ARSEN ALABAMA LOPITA CALIFORNIA FORT PONTOON NEW JERSEY	3,669 * 60 3,200 321
152	VARIAN ASSOCIATES PALO ALTO CALIFORNIA CHEVERLY MARYLAND BEVERLY MASS SALT LAKE CITY UTAH	4,866 *	174	AUREARCH ASSOCIATES INC PHILADELPHIA PA ARLINGTON VIRGINIA	3,556 * 25 3,534
153	T R & COLORADO ELECTRONICS INC COLORADO SPRINGS COLORADO	4,864 *	175	LITTON INDUSTRIES INC SAN CARLOS CALIFORNIA VAR NUYS CALIFORNIA WOODLAND HILLS CALIFORNIA COLLEGE PARK MARYLAND PASCAGOULA MISSISSIPPI NORRIS FLAINS NEW JERSEY	3,543 * 765 1,110 26 288 620 224
154	ANALYTICAL SYSTEMS ENGR CCP BEDFORD MASS BURLINGTON MASS	\$ 4,850 *	176	LINKABIT CORP SAN DIEGO CALIFORNIA	3,766 * 3,766
155	ARINC RESEARCH CORP SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA ANNAPOLIS MARYLAND	4,632 *	177	KURAS ALTERMAN CORP FAIRFIELD NEW JERSEY WAYNE NEW JERSEY ARLINGTON VIRGINIA	3,360 * 952 2,626 122
156	CHAMPEERLAIN INC CORP WATERLOO IOWA NEW PECIFIC MASS	4,274 *	178	INTERNATIONAL LASER SYSTEMS INC ORLANDO FLORIDA KIRTLAND AFB NEW MEXICO	3,317 * 2,255 1,312
157	PREUP CORP KALAMAZOO MICHIGAN	4,182 *			
158	ESCC INC INDIAN HARBOUR FLORIDA NORFOLK VIRGINIA SPRINGFIELD VIRGINIA	\$ 4,156 *			
		3,491			

* = PLUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
181	VARO INC GARLAND TEXAS	3,322 *	205	SARGANO WESTON INC SARASOTA FLORIDA	2,633 *
183	JAPAN AEROSPACE CORP BLOOMFIELD CONN	3,281 *	206	CACTECH INC SIERRA PADRE CALIFORNIA	2,612 *
184	EDRROUGHS CORP TORRANCE MECHANICSBURG PAULI PA	3,288 * 280 18 2,498	207	C & I INC WASHINGTON SILVER SPRING DC	2,578 * 78 2,588
186	DYNAMICS RESEARCH CORP WILMINGTON MASS	3,099 *	208	INTERMETRICS INC LONG BEACH CAMBRIDGE WRIGHT PATTERNS WOBURN	2,568 * 386 1,658 488 38
188	QUEST RESEARCH CORP MCLEAN VIRGINIA	3,094 *	209	WHITTAKER CORP CHATSWORTH NORTH HOLLYWOOD	2,463 *
189	INTERNATIONAL HARVESTER CC SAN DIEGO MINSDALE ILLINOIS	2,947 * 2,882 88	210	EASTMAN KODAK CO NEW YORK ROCHESTER	2,415 *
190	COMPUTER CORP OF AMERICA CAMBRIDGE ARLINGTON VA	2,941 * 1,445 1,296	211	HUGHES RESEARCH LABORATORIES MALIBU	2,386 *
191	PACIFIC SIERRA RESEARCH CORP SANTA MONICA DAYTON OHIO	2,923 * 2,898 25	212	SEPCOR INC MOORESTOWN	2,209 *
192	C * A SYSTEMS INC INDIALANTIC MELBOURNE FLORIDA	2,920 * 168 2,752	214	BALL BROS RESEARCH CORP BOULDER	2,298 *
193	CACHE CORP DORAVILLE GEORGIA	2,913 *	217	EFFECTS TECHNOLOGY INC SANTA BARBARA	2,223 *
194	LITTLE ARTHUR D INC CAMBRIDGE NEW YORK NY	2,897 * 2,864 37	218	B C M SERVICES CO FORT ORD STOCKBRIDGE WRIGHT PATTERNS MCLEAN	2,221 *
195	LOCKHEED ELECTRONICS CO INC PLAINFIELD NEW JERSEY	2,892 *	220	DYNATICS INC HUNTSVILLE	2,219 *
196	ADVANCED TECHNOLOGY INC SAN DIEGO MCLEAN VIRGINIA	2,848 * 38 2,818	221	HYDRAUTICS INC LAUREL	2,125 *
197	PRESEARCH INC PANAMA CITY ARLINGTON FLORIDA	2,823 * 66 2,739	222	ARGO SYSTEMS INC PALO ALTO SUNNYVALE	2,124 *
198	PROTOTYPE DEVELOPMENT INC SANTA ANA CALIFORNIA	2,788 *	224	SYSTEMATICS GENERAL CORP FALLS CHURCH	2,102 *
199	LIPRA TECHNOLOGY ROCKVILLE MARYLAND	2,727 *	226	PERCEPTRONICS INC WOODLAND HILLS	2,054 *
200	TETRA TECH INC POFFETT FIELD PASADENA SAN DIEGO ARLINGTON CALIFORNIA	2,732 * 17 416 758 1,581	228	SIMULATION TECHNOLOGY INC DAYTON ANTIOCH	2,035 *
203	ACUREX CORP MONROVIA MOUNTAIN VIEW DAYTON WRIGHT PATTERNS CALIFORNIA	2,658 * 147 2,281 125 97	231	ELECTRO SPACE SYSTEMS INC RICHARDSON	2,000 *
204	EOCZ ALLEN APPLIED RESEARCH INC SAN DIEGO FORT WALTON BE BETHESDA FLORIDA	2,641 * 88 98 2,457	232	ANALYSIS & TECHNOLOGY INC GROTON STONINGTON NORFOLK VIRGINIA BEACH	1,958 * 86 1,782 105 26

* = PLUS AMOUNT CANCELLATIONS EXCEED NEW AWARDS
 S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
238	MAN TECH CORP PATUXENT RIVER	MARYLAND	\$ 1,927 *	262	DECISIONS & DESIGNS INC MCLEAN	VIRGINIA	\$ 1,686 *
	ROCKVILLE	MARYLAND	125				1,686
	LIVINGSTON	NEW JERSEY	732				
	WRIGHT PATTERNS	OHIO	346	262	WEIZLINGER ASSOCIATES CONSULT ENGR	CALIFORNIA	\$ 1,586 *
	ALEXANDRIA	VIRGINIA	70		MEAD PARK	NEW YORK	368
	ARLINGTON	VIRGINIA	48		NEW YORK	NEW YORK	1,224
	NORFOLK	VIRGINIA	529				
			77	264	DIXWOOD INDUSTRIES INC WESTWOOD	CALIFORNIA	\$ 1,576 *
239	FALCON RESEARCH & DEVELOPMENT CO		1,928 *		ALBUQUERQUE	NEW MEXICO	532
	DENVER	COLORADO	634		KIPLAND AFB	NEW MEXICO	389
	BALTIMORE	MARYLAND	1,248				725
	BUFFALO	NEW YORK	28	265	ULTRASYSTEMS INC IRVINE	CALIFORNIA	\$ 1,569 *
240	KETRON INC WAYNE	PA	\$ 1,919 *		NORTON AFB	CALIFORNIA	662
	ARLINGTON	VIRGINIA	775				667
241	EDUCATIONAL COMPUTER CORP ORLANDO	FLORIDA	\$ 1,911 *	266	BELL & HOWELL CO PASADENA	CALIFORNIA	\$ 1,547 *
			1,911		CHICAGO	ILLINOIS	399
242	ELECTROSPACE SYSTEMS INC RICARDSON	TEXAS	\$ 1,911 *	268	VECTOR RESEARCH INC ANN ARBOR	MICHIGAN	\$ 1,530 *
	ARLINGTON	VIRGINIA	1,897				1,520
			14	270	ANALYSIS & COMPUTER SYSTEMS INC BEDFORD	PASS	\$ 1,516 *
243	VEED INC CAMARILLO	CALIFORNIA	\$ 1,905 *		BURLINGTON	MASS	\$ 1,456 *
	SAN DIEGO	CALIFORNIA	112				1,456
	SOUTHAMPTON	PA	571	272	ELECTRONIC COMMUNICATIONS INC ST PETERSBURG	FLORIDA	\$ 1,456 *
	ARLINGTON	VIRGINIA	27				1,456
			1,195	275	TECHNOLOGY INC DAYTON	OHIO	\$ 1,451 *
244	VALVE ENGINEERING CO SAN DIEGO	CALIFORNIA	\$ 1,896 *		BROOKS AFB	TEXAS	704
	WEST LANE AREA	NEW JERSEY	22		HOUSTON	TEXAS	512
	ALEXANDRIA	VIRGINIA	10		SAN ANTONIO	TEXAS	65
			1,896	279	ASSURANCE TECHNOLOGY CORP CARLISLE	PASS	\$ 1,428 *
245	SCHAFFER & J ASSOCIATES INC MARBLEHEAD	PASS	\$ 1,836 *				1,428
	WAKEFIELD	MASS	492				
			1,344	282	XONICS INC EL SEGUNDO	CALIFORNIA	\$ 1,411 *
246	FRAMCO DEVELOPMENT CORP GRAND JUNCTION	COLORADO	\$ 1,828 *		LOS ANGELES	CALIFORNIA	913
			1,828		VAN NUYS	CALIFORNIA	237
247	SPACE DATA CORP PHOENIX	ARIZONA	\$ 1,797 *	283	SANTA BARBARA RESEARCH CENTER GOLETA	CALIFORNIA	1,405 *
	TEPPE	ARIZONA	1,722				1,405
			75	284	A L S ELECTRONICS CORP ANAHEIM	CALIFORNIA	\$ 1,394 *
248	SPARTON CORP JACKSON	MICHIGAN	\$ 1,755 *				1,394
			1,755	285	PLANNING SYSTEMS INC MCLEAN	VIRGINIA	\$ 1,358 *
249	MAR INC PANAMA CITY	FLORIDA	\$ 1,755 *				1,358
	ROCKVILLE	MARYLAND	185	286	AKETE ASSOCIATES INC SANTA MONICA	CALIFORNIA	\$ 1,336 *
	ARLINGTON	VIRGINIA	1,490				1,336
			75	288	TECHNOLOGY DEVELOPMENT CORP HUNTSVILLE	ALABAMA	\$ 1,325 *
250	NICMCLS RESEARCH CORP HUNTSVILLE	ALABAMA	\$ 1,743 *		ARLINGTON	TEXAS	317
			1,743	291	VISIVIONE INC BURLINGTON	MASS	\$ 1,288
251	AUSTIN RESEARCH ASSOCIATES AUSTIN	TEXAS	\$ 1,728 *				
			1,728	292	TELEODYNE INC NORTHERN CALIFORNIA	CALIFORNIA	\$ 1,272 *
252	CACI INC FEDERAL ARLINGTON	VIRGINIA	\$ 1,719 *		SAN DIEGO	CALIFORNIA	713
			1,719		RAMONA	CA	547
253	DIAGNOSTIC RETRIEVAL SYSTEMS INC MOUNT VERNON	NEW YORK	\$ 1,696 *	293	NEOPET INC TULSA	OKLAHOMA	\$ 1,267 *
			1,696				1,267
254	FIRESTONE TIRE & RUBBER CO AKRON	OHIO	\$ 1,696 *				
			1,696				

- = PIRATE ABUSES; CANCELLATIONS EXCEED NEW ARRIVALS
S = SMALL BUSINESS

S : SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
254	HYDROSCIENCE INC FORT LAUDERDALE DALLAS	1,240 * 997 643	328	SPERRY FLIGHT SYSTEMS PHOENIX	1,882 * 1,882
255	FLINCHBAUGH PRODUCTS INC WILMINGTON RED LICH WINGSPAN	1,215 * 690 422 69	322	SIGNATRON INC LEXINGTON	S 1,852 * 1,852
257	AERONAUTICAL RESEARCH ASSOCIATES PORT REPUBLIC PRINCETON	S 1,283 * 62 1,141	323	ELECTRONIC WARFARE ASSOCIATES MCLEAN	S 1,846 * 1,846
300	PHYSICAL SCIENCES CORP WAKEFIELD NOVOLA	S 1,188 * 283 925	324	DYNELL ELECTRONICS CORP NEWVILLE	S 1,826 * 1,829
301	P E SYSTEMS INC SAN DIEGO ALEXANDRIA	S 1,125 * 438 755	325	INCO INC ENT AFB MCNEAN	S 1,826 * 785 321
302	L T V CORP CAL AS	1,181 * 1,181	327	PHOTO SONICS INC BUREAU	S 1,825 * 1,825
307	CELEST SYSTEMS INC VIENNA	S 1,173 * 1,173	329	EVERTSON & CUMPKINS INC CANTON	S 1,820 * 1,820
310	SYSTEMS ENGINEERING LABORATORIES WILLIAMS AFB FORT LAUDERDALE	S 1,149 * 1,131 10	332	KABAGZIAN & CASE STRUCTURAL ENGINEERS LOS ANGELES	S 1,816 * 1,816
306	E P F CORP SEATTLE	S 1,142 * 1,142	334	ORLANDO TECHNOLOGY INC ORLANDO SHALIMAR	S 987 * 926 161
337	ENERGY RESEARCH CORP RETIREL	S 1,141 * 1,141	337	WAGNER DANIEL H ASSOCIATES INC PAOLI	S 976 * 976
308	REFRACTIVE RESEARCH INC BEDFORD	S 1,139 * 1,129	339	OPERATING SYSTEMS INC SAN DIEGO TARZANA WOODLAND HILLS	S 973 * 93 969 951
310	Q X DYNAMICS INC GAITHERSBURG ROCKVILLE	S 1,124 * 99 1,074	348	SCOPE ELECTRONICS INC RESTON	S 971 * 971
311	SYNAPTIC SYSTEMS CORP FALLS CHURCH	S 1,127 * 1,117	341	TECHMAINT INTERNATIONAL	S 970 * 970
312	C A R INC NEEDHAM NEEDMAN HEIGHT	S 1,189 * 82 1,027	342	ADVANCED RESEARCH & APPL CORP SUNNYVALE	S 965 * 965
313	PIPER TECHNOLOGY INC MAPLETON	S 1,108 * 1,106	343	COTY ASSOCIATES ROCKVILLE	S 964 * 966
314	CLESTRON CORP EL SEGUNDO SAN DIEGO	S 1,105 * 732 393	344	PEAT MARWICK MITCHELL & CO WASHINGTON	S 963 * 963
315	HORIZONS TECHNOLOGY INC SAN DIEGO	S 1,099 * 1,090	346	P E ASSOCIATES SAN RAMON	S 957 * 957
316	HYCOP INC MOBURN	S 1,090 * 1,090	347	BETAC CORP ARLINGTON	S 955 * 955
317	PACER SYSTEMS INC LOS ANGELES BURLINGTON FORT WASHINGTON	S 1,098 * 249 292 949	348	HOME RESEARCH CORP GRIFFISS AFB ROPE	S 952 * 663 238
318	WATKINS JOHNSON CO PALO ALTO GAITHERSBURG	S 1,075 * 867 288	349	I R T CORP SAN DIEGO	S 948 * 948
			352	CANYON RESEARCH GROUP INC WESTLAKE VILLA	S 922 * 922

* = PLUS AMOUNT (CANCELLATIONS EXCEED NET AMOUNT)

S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
354	MERNER CO WASHINGTON DC	911 *	364	APPLIED SCIENCE ASSOCIATES INC APEX VALENCIA PA	798 * 173 625
355	P & S COMPUTING INC HUNTSVILLE MADISON ALABAMA ALABAMA	988 * 326 584	365	SOUTHERN ELECTRICITY HUNTSVILLE ALABAMA	757 * 747
356	ORINCON CORP LA JOLLA CALIFORNIA	981 * 981	366	ESSEX CORP FORT WUACHUCKA WHITE SANDS MS ALEXANDRIA	786 * *8 148 552
357	BIOMETRICS INC GARLAND TEXAS	988 *	367	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA	765 * 765
358	POSEIDON RESEARCH LOS ANGELES SHERMAN CAVS CALIFORNIA CALIFORNIA	891 * 336 557	368	ATLANTIC ANALYSIS CORP NORFOLK VIRGINIA	786 * 786
360	RISI INDUSTRIES INC CHULA VISTA CALIFORNIA	879 *	369	KEYSOR CENTURY CORP FORT WASHINGTON PA	786 * 786
362	SCATIC INSTRUMENTS INC CHICAGO ILLINOIS	872 *	370	IMAGE GRAPHICS INC FAIRFIELD CONN	761 * 761
364	SPIRE CORP RECTOR MASS	867 *	371	OCEAN DATA SYSTEMS INC ROCKVILLE MARYLAND	778 * 778
366	AIRESEARCH MFG CO OF ARIZONA PHOENIX ARIZONA	856 *	372	FEDERAL ELECTRIC CORP EDWARDS AFB GRIFFISS AFB	764 * 713 21
367	DIGITAL TECHNOLOGY INC CHAMPAIGN ILLINOIS	853 *	373	DECISION MATERIALS INC BIDDEFORD MAINE	743 * 743
368	C T E C FALLS CHURCH VIRGINIA	851 *	374	CENTER FOR PLANNING & RESEARCH INC PALO ALTO CALIFORNIA	768 * 768
369	SPACE VECTOR CORP NORTHRIDGE CALIFORNIA	850 *	375	ADVANCED DESIGN CORP ALEXANDRIA VIRGINIA	726 * 726
371	EWALCO ENGINEERING CORP EDWARDS AFB CALIFORNIA	845 *	376	DECISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	727 * 727
372	CALIFORNIA RESEARCH & TECHNOLOGY WOODLAND HILLS CALIFORNIA	843 *	377	ROSENBAUM HAROLD ASSOCIATES INC BURLINGTON PASS LEXINGTON PASS	517 210
373	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	842 *	378	DATA BASE MANAGEMENT INC WASHINGTON DC	725 * 725
374	PERGRESS AEROSPACE ENTERPRISES INC PHILADELPHIA PA	840 *	379	STERLING WALTER V INC ORANGE CALIFORNIA	724 * 724
377	MERDAN GROUP SAN DIEGO CALIFORNIA	827 *	380	412 SYSTEMS & APPLIED SCIENCES CORP MONTEREY WASHINGTON RIVERDALE WRIGHT PATTERSON OHIO	712 * *4 12 256 266 36
379	CUMMINS ENGINE CO INC COLLINS INDIANA	821 *	381	SYNTEC INC ROPE ALLISON PARK FAIRFAX	707 * 190 *56 173
380	PACIFICA TECHNOLOGY DEL MAR SAN DIEGO CALIFORNIA	817 *	382	VEGA PRECISION LABORATORIES INC VIENNA VIRGINIA	784 * 784
381	PHYSICAL DYNAMICS INC BERKELEY LA JOLLA CALIFORNIA CALIFORNIA	810 * 50 788	383	BREE CORP FAIRFIELD NEW JERSEY	652 * 652
382	RAVCOMP INDUSTRIES INC FORT POMMOUTH NEW JERSEY	800 *			
383	SANTA FE CORP ALEXANDRIA VIRGINIA	799 *			
		799			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
 S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
418	INTERNATIONAL COMPUTING CORP BETHESDA MARYLAND WRIGHT PATTERNS OHIO	\$ 672 *	445	ANALYTICAL ASSESSMENTS CORP MARINA DEL REY CALIFORNIA ARLINGTON VIRGINIA	\$ 569 *
		126			568
		336			49
419	NORTH AMERICAN PHILIPS CORP BRICKCLIFF NEW YORK	678 *	446	GENERAL OFFSHORE CORP FORT LAUDERDALE FLORIDA KEY WEST FLORIDA	\$ 565 *
		678			271
					318
420	CONSOLIDATED ANALYSIS CENTER INC ARLINGTON VIRGINIA	\$ 663 *	448	SONALYSTS INC WATERFORD CONNECTICUT	\$ 564 *
		663			564
421	S Y RESEARCH CORP SPRINGFIELD VIRGINIA	\$ 662 *	449	APPLICATION RESEARCH CORP SOUTHAMPTON PENNSYLVANIA	\$ 572 *
		662			572
422	CLARK EQUIPMENT CO BERTON HARBOR MICHIGAN	656 *	450	AMERICAN STERILIZER CO ERIE PENNSYLVANIA	\$ 571 *
		656			571
423	MASSACHUSETTS COMPUTER ASSOCIATES WAKEFIELD MASS	\$ 653 *	451	FREQUENCY & TIME SYSTEMS INC DANVERS MASS	\$ 565 *
		653			565
424	DIGITAL EQUIPMENT CORP SAN DIEGO CALIFORNIA MARLBORO MASS NEWBEDFORD MASS NASHUA NH	644 *	452	NORTHERN RESEARCH & ENGR CORP CAMBRIDGE MASS	\$ 566 *
		240			566
		25			
		286			
		45			
425	APPX CORP REDWOOD CITY CALIFORNIA SUNNYVALE CALIFORNIA ELK GROVE VILL ILLINOIS	\$ 643 *	453	DEVELOPMENTAL SCIENCES INC CITY OF INDUST CALIFORNIA	\$ 563 *
		535			563
		98			
		18			
426	ANALYTIC DISC PLINES INC MANASSAS VIRGINIA VIENNA VIRGINIA	\$ 641 *	455	O C S CORP ARLINGTON VIRGINIA	\$ 555 *
		412			555
		229			
427	SPECTRA RESEARCH SYSTEMS INC IRVINE CALIFORNIA	\$ 638 *	456	SACHS FREEMAN ASSOCIATES INC WASHINGTON DC BLADENSBURG MARYLAND HYATTSVILLE MARYLAND	\$ 557 *
		638			557
					102
428	SYSTEM AUTOMATION CORP SILVER SPRING MARYLAND	\$ 638 *	457	PACIFIC ANALYSIS CORP MONOLULU CITY HAWAII	\$ 556 *
		638			556
432	TEL TECHNOLOGY INC HUNTSVILLE ALABAMA	\$ 628 *	458	JAMES RIVER GRAPHICS SOUTH HADLEY MASS	\$ 555 *
		628			555
433	SYSTEMS TECHNOLOGY INC MANHATTAN CALIFORNIA	\$ 618 *	459	STEIN ASSOCIATES INC WALTHAM MASS	\$ 553 *
		618			553
434	HYCCP INC IRVINE CALIFORNIA	\$ 617 *	460	SPRINGBORN LABORATORIES INC ENFIELD CONNECTICUT	\$ 544 *
		617			544
426	I L C DOVER PRECISION INC	\$ 614 *	461	DATA GENERAL CORP OFFICE AFB NEBRASKA	\$ 546 *
		614			546
427	PCBEE SYSTEMS INC SUNNYVALE CALIFORNIA	\$ 612 *	462	MICROACOUSTICS INC ROCHESTER NEW YORK	\$ 543 *
		612			543
439	WEEDENBURG P M & CO ARLINGTON MCLEAN	\$ 610 *	464	SPEARS ASSOCIATES INC MCLEAN MASS	\$ 538 *
		120			538
		482			
440	SIGNAL SCIENCE INC SANTA CLARA CALIFORNIA	\$ 609 *	465	E E I ELECTRONICS INC GARDEN ARKANSAS	\$ 537 *
		609			537
442	COLUMBIA RESEARCH CORP ARLINGTON FALLS CHURCH	\$ 597 *	466	UNIDYNAMICS PHOENIX INC GOODWEAR PHOENIX ARIZONA	\$ 534 *
		597			534
		25			
442	PARK RESOURCES INC MARINA DEL REY CALIFORNIA	\$ 597 *	467	AUTOMETRIC CORP ARLINGTON FALLS CHURCH VIRGINIA	\$ 530 *
		597			530
444	HEBO TECHNOLOGY LABORATORIES DAYTON OHIO	\$ 597 *			347
		233			183
		364			

- = minus amount (cancellations exceed new awards)

S = small business

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1979 *

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
469	ARCON CORP BEDFORD HANCOM AFE WAKEFIELD	PASS	S 527 * 86 342 180	447	ECLETECH ASSOCIATES INC STONINGTON	CONN	S 473 * 473
471	FJ SHEAR CORP TORONTO	CALIFORNIA	S 526 * 526	588	NETWORK ANALYSIS CORP GLEN COVE GREAT NECK VIENNA	NEW YORK NEW YORK VIRGINIA	468 * 48 323 89
476	PULCVA WATCH CO INC VALLEY STREAM	NEW YORK	585 * 585				7,392,392
477	INFORMATION SPECTRUM INC CHERRY HILL WARPMASTER ARLINGTON	NEW JERSEY	S 585 * 93 98 324				
478	P E J INC MCLEAN	VIRGINIA	S 588 * 588				
479	MECHANICAL TECHNOLOGY INC WHITE PLAINS LAKEWOOD	NEW YORK	588 * 25 475				
480	SUMMIT RESEARCH CORP GAITHERSBURG	MARYLAND	S 588 * 588				
481	FIC MED INC SILVER SPRING	MARYLAND	S 498 * 498				
482	SUA CO INC MARCUS Hook	PA	495 * 495				
483	PERMIT J L CNSLT & SPEC ENGR SVCS REDLANDS	CALIFORNIA	S 492 * 492				
484	DECISION SCIENCE INC SAN DIEGO	CALIFORNIA	S 489 * 489				
485	MONSANTO RESEARCH CORP DAYTON	OHIO	488 * 488				
486	TELCOM SYSTEMS INC FULLETON ARLINGTON	CALIFORNIA VIRGINIA	487 * 57 420				
488	OPTICAL SCIENCES CO PLACENTIA	CALIFORNIA	S 486 * 486				
489	TERRA TECH INC SALT LAKE CITY	UTAH	S 486 * 486				
490	SCIENTIFIC SYSTEMS INC CAMBRIDGE	MASS	S 481 * 481				
491	GAELIARCI SYSTEMS GROUP INC SALEM	NH	S 479 * 479				
492	XETEX REDWOOD CITY	CALIFORNIA	S 479 * 479				
493	INTERNATIONAL PUBLIC POLICY RES MCLEAN	VAIRGINIA	476 * 476				
494	HYPTECHRONICS FALLS CHURCH	VIRGINIA	475 * 42				
		MCLEAN	422				
495	PERFORMANCE CONCEPT CORP ROCHESTER	NEW YORK	S 474 * 474				

* = PALS AWARDS (CANCELLATIONS EXCEED NEW AWARDS)
 ** = SMALL BUSINESS

SECTION II - NON-PROFIT INSTITUTIONS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
13	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND SCAGGSEVILLE MARYLAND	155,881 *	76	DAYTON UNIVERSITY OF EDWARDS AFB CALIFORNIA KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIC	13,566 *
16	MASSACHUSETTS INSTITUTE TECHNOLOGY BLACKSTONE MASS CAMBRIDGE MASS LEXINGTON MASS	123,724 *	77	BATTELLE MEMORIAL INSTITUTE MUNTVILLE ALABAMA BLUFFSTON ARSEN ALABAMA SAN DIEGO CALIFORNIA COPPERICE CITY COLORADO WASHINGTON DC	13,206 *
17	AEROSPACE CORP EL SEGUNDO CALIFORNIA	121,887 *		EGLETON AFB FLORIDA ATLANTA GEORGIA ROCK ISLAND ILLINOIS BEREDEEN PROV MARYLAND NATICK MASS	106
21	MITRE CORP BEDFORD MASS MCLEAN VIRGINIA	84,755 *		WALTHAM MASS WATERDOWN MASS ST LOUIS MISSOURI DOVER NEW JERSEY	271
25	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	65,849 *		FORT MONMOUTH NEW JERSEY WHITE SANDS MS NEW MEXICO DURHAM NCAR	414
54	CALIFORNIA UNIVERSITY OF MOUNT LEMMON ARIZONA BERKELEY CALIFORNIA DAVIS CALIFORNIA IRVINE CALIFORNIA LA JOLLA CALIFORNIA LOS ANGELES CALIFORNIA RIVERSIDE CALIFORNIA SAN DIEGO CALIFORNIA SAN FRANCISCO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA CRUZ CALIFORNIA SEPULVEDA CALIFORNIA WRIGHT PATTERS OHIO	24,159 *		RALEIGH NCAR RESEARCH TRIAN NCAR COLUMBUS OHIC WRIGHT PATTERS OHIO BEAUMONT TEXAS ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA FORT BELVOIR VIRGINIA FORT EUSTIS VIRGINIA FORT POCHEE VIRGINIA RICHLAND WASHINGTON	5,476
55	S F I INTERNATIONAL MENLO PARK CALIFORNIA SAN FRANCISCO CALIFORNIA ARLINGTON VIRGINIA	23,154 *			12,746 *
57	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS ANNAPOLIS MARYLAND GRIFFISS AFR NEW YORK ROPE NEW YORK DAYTON OHIO WRIGHT PATTERS OHIO	23,442 *		ROCHESTER UNIVERSITY OF ROCHESTER NEW YORK ARLINGTON VIRGINIA	6,999
67	UTAH UNIVERSITY OF SALT LAKE CITY UTAH	18,589 *	78	SOUTHERN CALIFORNIA UNIVERSITY OF LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA	5,244
67	UTAH UNIVERSITY OF SALT LAKE CITY UTAH	18,589 *	81	STANFORD UNIVERSITY MENLO PARK CALIFORNIA STANFORD CALIFORNIA	11,872 *
68	RAND CORP SANTA MONICA CALIFORNIA	15,836 *	87	ALASKA UNIVERSITY OF FAIRBANKS CITY ALASKA	10,654 *
69	INSTITUTE FOR DEFENSE ANALYSIS ARLINGTON VIRGINIA	15,777 *	102	WASHINGTON UNIVERSITY OF ST LOUIS MISSOURI SEATTLE WASHINGTON	9,737 *
70	TEXAS UNIVERSITY OF FORT LAUDERDALE FLORIDA AUSTIN TEXAS DALLAS TEXAS EL PASO TEXAS GALVESTON TEXAS MOLTON TEXAS RICHARDSON TEXAS	15,072 *	105	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	9,701
72	PENNSYLVANIA STATE UNIVERSITY STATE COLLEGE PA UNIVERSITY PAF PA	14,562 *	129	NEW MEXICO STATE UNIVERSITY YUMA ARIZONA LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	9,700 *
		1,185	131	NOCD'S MOLE OCEANOGRAPHIC INST NOCD'S MCLE PAS	7,737
		13,497	135	ANALYTIC SERVICES INC WRIGHT PATTERS OHIO WILLOW GLEN FA ARLINGTON VIRGINIA	6,677
					245
					4,890

- 3 MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
137	ENVIRONMENTAL RECH INST OF MICH ANN ARBOR MICHIGAN YPSILANTI MICHIGAN	5,991 *	225	BOSTON COLLEGE CHESTNUT HILL MASS MARSCHAF AFB MASS NEWTON MASS WESTON MASS	2,075 * 665 666 720 272
141	NEW MEXIC UNIVERSITY OF ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	5,628 *	226	SYRACUSE UNIVERSITY ROME NEW YORK SYRACUSE NEW YORK	2,065 * 146 1,619
145	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	5,192 *	227	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	2,061 * 2,061
146	GEORGIA INSTITUTE TECH ATL-MT8 GEORGIA	5,127 *	233	LOGISTICS MANAGEMENT INSTITUTE WASHINGTON DC	1,968 * 1,968
150	CARNegie MELLON UNIVERSITY PITTSBURGH PA	4,926 *	234	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	1,968 * 1,968
159	UTAH STATE UNIVERSITY LOGAN UTAH	4,299 *	235	YALE UNIVERSITY NEW HAVEN CONNECTICUT	1,941 * 1,941
163	COLUMBIA UNIVERSITY NEW YORK PALISADES NEW YORK	4,092 *	236	WISCONSIN UNIVERSITY OF MADISON WISCONSIN MILWAUKEE WISCONSIN	1,931 * 1,897 44
172	ILLINOIS UNIVERSITY OF CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	3,727 *	245	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	1,868 * 1,868
176	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK	3,438 *	247	DENVER UNIVERSITY OF DENVER COLORADO	1,838 * 1,838
182	CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA	3,389 *	250	OKLAHOMA STATE UNIVERSITY OF EGLIN AFB FLORIDA STILLWATER OKLAHOMA	1,778 * 269 1,661
185	PENNSYLVANIA UNIVERSITY OF PHILADELPHIA PA	3,132 *	252	SALK INSTITUTE THE SALK INSTITUTE PA	1,751 * 1,751
187	ARIZONA UNIVERSITY OF FLAGSTAFF AZ ARIZONA TUCSON ARIZONA	3,081 *	255	NEW YORK POLYTECHNIC INSTITUTE BROOKLYN NEW YORK FARMINGDALE NEW YORK NEW YORK NEW YORK	1,729 * 1,626 1,626 126
201	HAWAII UNIVERSITY OF Honolulu City HAWAII PEARL HARBOUR HAWAII	2,726 *	258	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	1,715 * 1,714
202	FLORIDA UNIVERSITY OF CORAL GABLES FLORIDA GAINESVILLE FLORIDA MIAMI FLORIDA	2,677 *	261	OREGON STATE UNIVERSITY CORVALLIS OREGON	1,628 * 1,628
211	MARYLAND UNIVERSITY OF BALTIMORE MARYLAND COLLEGE PARK MARYLAND	2,320 *	267	WENTWORTH INSTITUTE BOSTON MASS	1,511 * 1,511
215	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	2,258 *	269	CAPITOL RADIO ENGINEERING INST INC SILVER SPRING MARYLAND	1,526 * 1,526
216	MICHIGAN UNIVERSITY OF ANN ARBOR MICHIGAN	2,246 *	272	PURDUE RESEARCH FOUNDATION LAFAYETTE INDIANA WEST LAFAYETTE INDIANA	1,466 * 278 1,265
219	COLUMBIA STATE UNIV RESEARCH FOUNDATION COLUMBUS OHIO	2,228 *	276	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	1,445 * 1,445
223	PALISADES GEOPHYSICAL INSTITUTE MIAMI FLORIDA BLAUVELT NEW YORK	2,107 *	277	NEW YORK STATE UNIV RESEARCH FCUND ALBANY NEW YORK STONY BROOK NEW YORK	1,426 * 1,277 151
			278	HARVARD UNIVERSITY CAMBRIDGE MASS	1,421 * 1,421

* = FIALS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
280	HUMAN RESOURCES RESEARCH CRGN MONTEREY CALIFORNIA ALEXANDRIA VIRGINIA	1,417 * 950 75 792	352	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA TALLAHASSEE FLORIDA	922 * 24 892
281	VIRGINIA POLYTECHNIC INSTITUTE BLACKSBURG VIRGINIA	1,417 * 1,437	353	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	881 * 881
282	BOSTON UNIVERSITY BOSTON MASS	1,362 * 1,342	361	NEW YORK UNIVERSITY NEW YORK NEW YORK	876 * 876
283	SOUTHEASTERN CTR ELECT ENGR EDCU AUBURN ALABAMA ORLANDO FLORIDA WRIGHT PATTERSON OHIO	1,305 * 485 464 486	363	LEHIGH UNIVERSITY BETHLEHEM PA	870 * 870
284	SYRACUSE UNIVERSITY RESEARCH CORP SYRACUSE NEW YORK	1,304 * 1,304	365	AUBURN UNIVERSITY AUBURN ALABAMA	862 * 862
285	IOWA UNIVERSITY OF AMES IOWA IOWA CITY IOWA	1,222 * 182 1,050	370	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	846 * 846
286	RHODE ISLAND UNIVERSITY OF KINGSTON RI	1,196 * 1,196	374	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	843 * 843
287	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIKE NCAR	1,173 * 1,193	376	CINCINNATI UNIVERSITY OF CINCINNATI OHIO WRIGHT PATTERSON OHIO	832 * 832 795
288	NATIONAL CNCL SOVIET & EUROPE RSCH CAMBRIDGE MASS	1,125 * 1,125	380	GEOPHYSICAL INSTITUTE OF ALASKA FAIRBANKS CITY ALASKA	823 * 823
289	COLORADO UNIVERSITY BOULDER COLORADO DENVER COLORADO	1,071 * 957 114	389	DUKE UNIVERSITY DURHAM NCAR	788 * 788
321	TENNESSEE UNIVERSITY OF GOLETA CALIFORNIA KNOXVILLE TENNESSEE MEMPHIS TENNESSEE TULLahoma TENNESSEE	1,059 * 39 650 48 336	393	CATHOLIC UNIVERSITY OF AMERICA WASHINGTON DC	761 * 761
326	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	1,036 * 1,036	395	TEXAS A & M UNIVERSITY COLLEGE STATION TEXAS	777 * 777
328	RENSSELAER POLYTECHNIC INSTITUTE TROY NEW YORK	1,028 * 1,028	397	ALABAMA UNIVERSITY OF BIRMINGHAM ALABAMA MONTGOMERY ALABAMA UNIVERSITY ALABAMA	765 * 641 181 227
329	MASSACHUSETTS UNIVERSITY OF AMHERST MASS WORCESTER MASS	1,004 * 643 161	399	MISSOURI UNIVERSITY OF COLUMBIA MISSOURI KANSAS CITY MISSOURI ROLLA MISSOURI	749 * 410 38 309
330	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	991 * 991	403	VIRGINIA UNIVERSITY OF CHARLOTTESVILLE VIRGINIA	726 * 729
335	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	983 * 918 73	408	EMMANUEL COLLEGE BOSTON MASS LEXINGTON MASS	725 * 55 670
336	TEXAS A & M RESEARCH FOUNDATION COLLEGE STATION TEXAS	976 * 976	410	PICNIC RESEARCH INSTITUTE KANSAS CITY MISSOURI	720 * 720
338	MINNESOTA UNIVERSITY OF MINNEAPOLIS MINNESOTA ST. PAUL MINNESOTA	974 * 584 478	411	PALISADES INSTITUTE NEW YORK NEW YORK	712 * 712
344	NORTHEASTERN UNIVERSITY BOSTON MASS	958 * 958	416	AMERICAN FOUNDATION PHYSICAL ROCKVILLE MARYLAND	689 * 689
360	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	946 * 946			

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
417	NEVADA UNIVERSITY OF RENO NEVADA	689 *			
420	OHIO STATE UNIVERSITY THE COLUMBUS OHIO LOGAN UTAH	626 *	615		
430	CLEMSON COLLEGE OF TECHNOLOGY POTSOFT NEW YORK	635 *	635		
431	NEW HAMPSHIRE UNIVERSITY OF DURHAM NH	626 *	626		
435	PROVINCETTE UNIVERSITY PROVIDENCE RI	614 *	614		
441	NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR CHARLOTTE NCAR WILMINGTN NCAR	617 *	536		
447	MUSON INSTITUTE CROTON ON HUDSON NEW YORK	584 *	584		
452	SOUTH CAROLINA UNIVERSITY OF CHARLESTON SCAR COLUMBIA SCAR	566 *	48		
470	CHICAGO UNIVERSITY CHICAGO ILLINOIS	527 *	527		
472	KANSAS UNIVERSITY OF EL DORADO KANSAS KANSAS CITY KANSAS LAWRENCE KANSAS	519 *	59		
473	HOUSTON UNIVERSITY OF HOUSTON TEXAS	517 *	517		
474	DELAWARE UNIVERSITY OF NEWARK DELAWARE	507 *	507		
475	GEorgetown UNIVERSITY WASHINGTON DC	506 *	506		
487	MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON MICHIGAN	486 *	486		
496	TEXAS TECHNOLOGICAL COLLEGE LUBBOCK TEXAS	476 *	474		
498	NORTH CAROLINA STATE UNIVERSITY CHAPEL HILL NCAR RALEIGH NCAR	472 *	59		
499	MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	467 *	467		
		988,912			

* = minus amount (cancellations exceed new awards)

SECTION III - FOREIGN CONTRACTORS
FISCAL YEAR 1979.

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
187	CANADIAN COMMERCIAL CORP CANADA KIRTLAND AFB NEW MEXICO WARMINSTER PA	6,229 *	11-	6,197 *	63
271	ROYAL NORWEGIAN NAV MAT COMM NORWAY	1,500 *	1,500		
274	UNITED KINGDOM MINISTRY OF DEFENCE UN KINGDOP	1,454 *	1,454		
384	NATIONAL TAIWAN UNIVERSITY HOSP PHCSB/TAI	1,157 *	1,157		
628	PATRO CO FRANCE	611 *	611		
		12,991			

-- * minus amount (cancellations exceed new awards)

SECTION IV - U. S. GOVERNMENT AGENCIES
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CON' CTGR AND LOCATION	THOUSANDS OF DOLLARS
129	NATIONAL ACADEMY OF SCIENCES WASHINGTON DC WHITE SANDS NM NEW MEXICO	5,930 *			
229	UNITED STATES NATL AERO SPACE AGY RIDGELEY WVA	2,894 *			
237	UNITED STATES COMMERCE DEPT BOULDER COLORADO WASHINGTON DC GAITHERSBURG MARYLAND NORMAN OKLAHOMA SEATTLE WASHINGTON	1,930 *			
351	UNITED STATES ENERGY DEPT LIVERMORE CALIFORNIA OAKLAND CALIFORNIA WASHINGTON DC ALBUQUERQUE NEW MEXICO OAK RIDGE TENNESSEE	923 *			
368	SMITHSONIAN INSTITUTION WASHINGTON DC CAMBRIDGE MASS	788 *			
469	NATIONAL SCIENCE FOUNDATION WASHINGTON DC	920 *			
		21,767			

* = FIALE AMOUNT (CANCELLATIONS EXCDED NEW AWARDS)

END

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